



# دستور الأدوية الدولي

## The International Pharmacopoeia

الطبعة الثالثة

*Third Edition*

**Volume 3**  
**Quality specifications**

**المجلد الثالث**  
**مواصفات الجودة**

تمت الترجمة في المركز العربي للتعريب والترجمة والتأليف والنشر بدمشق

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# Ի Նշյալիս հսկողՍԷ ԲՆյէշ Ժ The International Pharmacopoeia

ՔԱՂԱՒ ԻԶԽՄԻ

**Third Edition**

**Volume 3**

**Quality specifications**

ԽՈՒՄԻՍ ԺԳՄԸՆԻՍ

ՄՈՆԻՏԻՆԵ ԼԻԶԻՏԵՆԻԶ

ԷԻՆՔԵՆ ԸԻՆՔԵՆ ԶԵՆՔԵՆ ԳՔԱՊԵՆ ԵԼԱՊՈՎՅՈՒՆ ԿԱՊԵՆ ԸՆԴՈՎՆԵՐ ԶԳԱՊԵՆ ԿՈՒՆԵՐ

1988 ՇԵՆՔԵՆ ԳԽՈՒՆ ԳԽՆԵՐ

World Health Organization 1988



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ԵԼԵԲԵՐԻ ԷՐՈՂԻ ՀԻ ԵԼԻԿՈՐ ՓԻՏԻԿ՝ ԳՐԶԻՆԻ ԼՈՐԻ ԿԵՐՈՐ ԵՄ ԵՆԻՐՈՐՑ ՀԵՐՈՐՑԻՑ ԳՐԱՐՈՐՑ ԷԼԼԱԿՈՐԻ ԵԹԵՆԻՐՈՐ ԲԾԵՂԻ ԲԷՆ  
 ԿԱՎՈՑ .ԳՅՈՂՅՈՐ ԴԻԿՈՐԻ ԵՏԵՐՈՐ ԴԻՏՅԱՐԻ ՔՐԵՐԵԱ ԺՆ ԴԵՐԶԻՐ ԳԵՐԵԶԻՐ ԳԵՐԵՐԻՐ ԳՅԻՐԻՐ ԵՐԵՐԻՐԻ ԵՆԻՐԻՐ ԴԵՐԵՐԻՐ ԴԵՐԵՐԻՐ  
 :ԵՐԼ ԴՆ ԵՄ ԿԱՐՈՐ ԵՐԵՐԻՐ ԴԵՐԻՐ

:Ž góẏōŃtǎ ġĤĤĤĤŌŃāš ġYĤĤĤŌā ŌŃĤō ĶŸñáĭ •

.372 ĞHŮÂÔöä / 2ş 1 ɔŦĖŦÔä ğğYŦĖĤş ğğĤHŮĤÔĤ / ĞşŦŦşöä ĞĤŮöä / ŦŦŦşöä ŦŦöä ɔŦ ĞĖĤZ j ä ĞĤĖŦöä .1

AMENDMENTS AND CORRIGENDA TO VOLUMES 1 AND 2

AMENDMENTS AND CORRIGENDA TO VOLUMES 1.2 AND 3

.256 ĞĤŮĀÔöä/4s 3s 2s 1 ġăĖŮŮöä ġŸĹĤĤŸs ġăĤĤŮĤŮĤ /ĠŮŮŮöä ĠĤŮŮöä/ Èŋĭĭă ĖŮŮöä đŋ ĠĖĠĤZ jă ĠĂĖĀöä .3

AMENDMENTS AND CORRIGENDA TO VOLUMES 1,2,3 AND 4

ːʤEGADZ j̥ä Ğ8Vöiä ĞöiÄQöä ġäÄÔQÁt̪ä ɾVɜ ʉøäÄHöä ÖÄöä Ž üÄÄΣä ʔÄDZ •

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$$\bar{O}_{zz} \quad \bar{o}^{\circ} \bar{a} \bar{z} \quad . \bar{a}$$







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# l f øĩNj øIΘDŽIŁ

ĢHĀŌā

|     |       |                                         |
|-----|-------|-----------------------------------------|
| 5   | ..... | ĀĒTQ                                    |
| 7   | ..... | ÄŌĩ ĢtVō                                |
| 10  | ..... | ğāāsÄzĵā                                |
| 379 | ..... | ĢtDzΣā ŌĒā + ās ōĀQñrā ŌĒāT ŪZĩzŌā Ģtāġ |

## l εqNjβzŪŁ

ĢĀĒVŌqā ĢĀĒāā āós Ā ĒĒŪ zŁ ĢĒĀĤōā ōĀZjā ĒĒkĀk

ĢHĀŌā

ĢHĀŌā

|    |       |                       |    |       |                         |
|----|-------|-----------------------|----|-------|-------------------------|
| 47 | ..... | JšāĀĒĀQĒā ġāKāz       | 17 | ..... | ȳzĒĒzōjā ĒĒōsōĒĒ        |
| 50 | ..... | ĢĒĀKĒGā               | 19 | ..... | kēĀŌĒjā                 |
| 52 | ..... | ĢĒĀKĒGā ĒłzVōsōĒĒ     | 20 | ..... | kēĀŌĒjā ġĀĀvē           |
| 54 | ..... | kĒĒzVĒā ĒłzVōsōĒĒ     | 23 | ..... | ĒłzVĒjā ĒłzVōsōĒĒ       |
| 58 | ..... | kĒĒzVĒā ġĀĀvē         | 25 | ..... | kōĀāzŪ                  |
| 63 | ..... | JĀĀvēzā               | 27 | ..... | B kĒĀKzĀŪ               |
| 64 | ..... | ȳzĒĒāŌā ġĀqzāŌ        | 30 | ..... | ĢĒāā ġāĀq               |
| 66 | ..... | ȳzĒĒāŌā ġĀĒōz         | 32 | ..... | ĢĒāzĒāŪ                 |
| 69 | ..... | kĒāĀĒāŌā              | 34 | ..... | kēāĒēā                  |
| 72 | ..... | ĀsĒĒāŌā               | 37 | ..... | Ōāāā kēāĒēā             |
| 74 | ..... | ŌēzĒāłzVōā            | 39 | ..... | ȳzĀāGā ġĀĀvē            |
| 76 | ..... | ōzŌĒĀāłzVōā ġĀqĒā     | 41 | ..... | JšāĀQĒzVŌGā ġĀqzĒā ĒāĀq |
| 78 | ..... | ĢĒĒĒōłzVōā ġĀqēŪ ĒāĀq | 44 | ..... | kāāøĒā kĒĒē ŌĀā         |

140 ..... κĒĒηςΆΐλὸq̃ ḡĀĒĒÔÈ ÒĒĴĀŮ  
 142 ..... κĒĒηςΆΐλὸq̃ ḡāōĀĒQ̃è  
 145 ..... ὀĒĒĀĴ KōĴā  
 147 ..... ĒĒηĀq̃zĴĀŮ  
 149 ..... àςĒĒΣā ḡāōĀηq̃z  
 151 ..... κĀāzQ̃ĒzĴ  
 154 ..... JςĀĒkὸzὸςόázŶĀōā ḡĀQ̃ĒĴ  
 156 ..... κĀĒłzŶĀōā ŷzĀázò  
 160 ..... ÒĒēōzłsὸzĴ  
 163 ..... κĒĴĀ8ōā ĒĒázĴĴĀĴ  
 165 ..... κĒĒηQ̃āzā ḡĀĀŶè  
 167 ..... ĒĒηŶÔĀĒĒĒq̃  
 169 ..... KāsĀĴĴTā ĒĒηĀāsὸĒĒĒ  
 171 ..... κĀāĴāōĒTā ĒĒłzĴōςόĒĒĒ  
 173 .... JςĀĒkὸzὸςόĒTā ŷzĀázò ḡĀĒĒÔÈ  
 176 ..... κĒĴĀāzōzĒĒςόĒĒĒ  
 179 ..... κĒĴĀā zōzĒĒςόĒTā ĒĒłzŶō  
 179 ..... κĒĴĀāzōzĒĒςόĒTā ḡĀĀŶè  
 183 ..... ĒĒŌōā āĀ3  
 186 ..... ŷzĒēĀzGōā ḡāĀQ̃Ēè  
 188 ..... ÒĀQ̃ĒĒDZ ὸzQ̃ĀĒō  
 190 ..... κĒĒςKq̃zĀĒŶōā ŷzĀázò  
 193 ..... ĒĒηKāzŶōā ĒĒłzĴōςόĒĒĒ  
 195 ..... ŷzĀĀĒ8tā ĒĒĒςόĒĒĒ  
 197 ..... ŷzĀĀ8tā ĒĒĒōŮ  
 200 ..... ὸςāĒĒĒĒη

80 ..... κĀĒĒĒÔĴzŶōā ĒĒłzĴōςόĒĒĒ ŬāĀĀq̃  
 83 ..... κŶōĒēĀQ̃kzŶōā ĒĒłzĴōςόĒĒĒ  
 86 ..... κĀĒĒQ̃ĒĒĒĒ  
 89 ..... κzāāzŶōā  
 91 ..... κĀĒzŶōā ḡāĀQ̃Ēè  
 93 ..... κĒĒĴōzŶōā  
 96 ..... ĒĒηĀĒzŶōĒĒ  
 98 ..... κāōĀQ̃ĒĒ  
 100 ..... κĒĀĒōςKĀĀōā ḡŶĒĒĒ  
 102 ..... κĀzĴōςĒTĀōā ĒĒłzĴōςόĒĒĒ ŬāĀĀq̃  
 104 ..... JςāĴĒĒĒĒōā ŷzĀázò ḡĀĒĒ  
 107 ..... JĀzōzĴĒςĀQ̃ĒĒōā ĒĒηĀāsὸĒĒĒ  
 109 ..... ŷzĀázŶōā κŶĒēĒĒōzŶōĀā  
 112 ..... ĒĒq̃ĒĒōzŶĀōā ḡĀsὸz  
 114 ..... ὸςĀāōKzā  
 116 ..... ḡŶĒĒōzĒĒĒōā ĒĒłzĴōςόĒĒĒ  
 118 ..... κĒĀsĒōā ĒĒłzĴōςόĒĒĒ  
 120 ..... κĒĒςōzĒĒςōĒōā ĒĒłzĴōςόĒĒĒ  
 122 ..... κŶōĒē ŬĒĒςōā ḡŶōĒĒ  
 124 ..... ŷzĒq̃zςόĀq̃ ĒĒłzŶō  
 126 ..... κQ̃zq̃ ĒĒłzĴōςόĒĒĒ  
 129 ..... κĀĀĀŮ  
 131 ..... κĀĀĀq̃ ĒĒłzĴōςόĒĒĒ  
 133 ..... κĀĒĒĀĴā ḡĀĀŶè  
 135 ..... ὸςKĀĒĒōzōŮ  
 138 ..... κĒĒηςΆΐλὸŮ



348..... ὃζηῖζ ἔδῃ ἔδῃ ἄλζῖ  
 350..... ἰςκὺζ ὅζῃ ἔδῃ ἔδῃ  
 353..... κἄῖ ὅζῃ ἔδῃ ἔδῃ ἔδῃ  
 355..... κἡῖ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 357..... κἡῖ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 359..... κἡῖ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 360..... ἰςἄ ὅζῃ ἔδῃ ἔδῃ ἔδῃ  
 362..... ὅζῃ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 364..... ὅζῃ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 366..... κἄῖ ὅζῃ ἔδῃ ἔδῃ ἔδῃ  
 368..... ὅζῃ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 370..... κἡῖ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 372..... ὃζῃ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 375..... ὅζῃ ἔδῃ ἔδῃ ἔδῃ ἔδῃ

318 ..... ὃζῃ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 320 ..... (ὅζῃ ἔδῃ ἔδῃ ἔδῃ ἔδῃ)  
 322 ..... (ὅζῃ ἔδῃ ἔδῃ ἔδῃ ἔδῃ)  
 324 ..... κἡῖ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 327 ..... ἰςκὺζ ὅζῃ ἔδῃ ἔδῃ  
 329 ..... ἰςκὺζ ὅζῃ ἔδῃ ἔδῃ ἔδῃ  
 331 ..... ἔδῃ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 333 ..... ὃζῃ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 336 ..... κἡῖ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 338 ..... ὃζῃ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 340 ..... κἡῖ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 342 ..... κἡῖ ἔδῃ ἔδῃ ἔδῃ ἔδῃ  
 345 ..... ὃζῃ ἔδῃ ἔδῃ ἔδῃ ἔδῃ

**MONOGRAPHS**  $\mathbb{N} \times \mathbb{N} \rightarrow \mathbb{N}$







օճԻՄ Ժ՛ Օ՛ 25 8ԱՐԱ Ս՛ԷԳԶՆԻ՛ ԿՍՕ՛ Զ՛ԻԾԶ Ե՛ Խ5.0 Օ՛ՕԱ :Ammonium salts յճԷԳԶՆԻ՛ ԺԿ՛՛  
 Չ՛ Օ՛Զ օ՛Կ՛ ց՛ԱՍՕ՛Զ 3ԽԾԶ Ս՛Օ՛ 100 Ը՛ԶԱԷ ԱՍՕ՛ Ս՛Օ՛Ի՛ Ժ՛ Օ՛ 200Տ TS (օ/Խ200~) յճԱճՕ՛Զ ԷԷԷՕՏՕԷԷԷ  
 .vs (օ/օճ՛ 0.1) Օ՛ճԶԻՕՏՕԷԷԷ Ր՛Բ Ժ՛ Օ՛ 25.0

Ս՛TS օճԳ՛ԱԳ՛/Օ՛ԷԷԷ՛ Ա՛Բ՛ Ա՛Ի՛ յ՛ԶԷԱ՛ՅԷ՛ vs (օ/օճ՛ 0.1) յճԱճՕ՛Զ ԷԷԷՕՏՕԷԷԷ օճԿ՛՛ Ր՛Խ՛ ց՛Ա՛ Ա՛Խ՛  
 .vs (օ/օճ՛ 0.1) յճԱճՕ՛Զ ԷԷԷՕՏՕԷԷԷ օճԻ՛ Ժ՛ Օ՛ 22.5 Ժ՛ Ա՛Օ՛ Օ՛Զ ԷԶՍ՛ Ր՛Տ

Չ՛ԶՏ Ս՛ԷԷ՛ Ս՛ԶԻ՛ Ս՛TS (օ/Խ130~) Օ՛ԱՍՕ՛ Ր՛Բ Ժ՛ Օ՛ 2 Չ՛ Խ0.10 Զ՛ՕԱ :Chlorides ց՛ԶԷճԶԻՕ՛  
 ց՛ԶԷճԶԻՕ՛ ՕԾԶ՛ ԵԷՏ՛ օ՛ԱՍ՛Ի՛" յ՛ԶԱ՛ Կ՛ 8ճՕ՛ ճԷ Ա՛Օ Օ՛Խ՛ Օ՛ՕՕԷԷ .Ը՛Ա՛ Ս՛Օ՛Ի՛ Օ՛ 10 ԶՕԳ  
 .Խ/՛՛ 10 Ժ՛ Ա՛Օ՛ ԶԷճԶԻՕ՛ ՐճՍ՛ յճՕԱ Ր՛ յ՛ ԷԶ Ս(129 ԸԽԱՕ՛ Ս1 Է՛Օ՛) "Limit test for chlorides

Չ՛ԶՏ Ս՛ԷԷ՛ Ս՛ԶԻ՛ Ս՛TS (օ/Խ70~) Օ՛ճԶԻՕՏՕԷԷԷ Ր՛Բ Ժ՛ Օ՛ 5 Չ՛ Խ0.10 Զ՛ՕԱ :Sulfates ց՛ԶԷԷՕ՛  
 Limit ց՛ԶԷԷՕ՛ ՕԾԶ՛ ԵԷՏ՛ օ՛ԱՍ՛Ի՛" յ՛ԶԱ՛ Կ՛ 8ճՕ՛ ճԷ Ա՛Օ Օ՛Խ՛ Օ՛ՕՕԷԷ .Ը՛Ա՛ Ս՛Օ՛Ի՛ Օ՛ 10 ԶՕԳ  
 .Խ/՛՛ 5 Ժ՛ Ա՛Օ՛ ց՛ԶԷԷՕ՛ ՐճՍ՛ յճՕԱ Ր՛ յ՛ ԷԶ Ս(125 ԸԽԱՕ՛ Ս1 Է՛Օ՛) "test for sulfates

Օ՛Զ յ՛Օ Զ՛ ԺԽԷՕ՛ ԷԷ՛ Ս՛ԱՍ՛Ի՛ ց՛Ա՛ Ժ՛ ԸԷԶ՛ ոԷՕ՛ օ՛Ա՛ :Neutralizing capacity օ՛ԷԷՕ՛Է՛ ԸԷ՛  
 Օ՛ճԶԻՕՏՕԷԷԷ Ր՛Բ Ժ՛ Օ՛ 200 Ե՛ Խ 0.50 8ԱՐԱ Ս՛ԱՍ՛Օ՛ 150 Ը՛Զ՛ Ը՛ՕԸ՛ ց՛ԽՕ՛ Ե՛ Օ՛Ա՛ Է՛ Զ՛Օ՛Ա՛  
 յ՛ ԷԶ Ս՛Զ 37 ց՛Աճ՛ ԸԾԶ՛ Զ՛՛ Ը՛ԶԱ՛ 3՛ օ՛Ա՛Օ՛ օ՛Ա՛ Ս՛Զ 37 ԸԾԶ՛ Ե՛ Օ՛Ա՛ Ժ՛Է՛ vs (օ/օճ՛ 0.05)  
 (Կ՛Տ) ց՛Ա՛ Ե՛ Չ՛ յճՕԱ Ր՛ յ՛ Ս՛ԶՕ՛ Զ՛՛ 3.0Տ 2.3Տ 1.8 Ժ՛ Օ՛ Օ՛Է՛ 20Տ 15Տ 10 ԷԷ՛ օճԻ՛ Զ՛Է՛ յճՕԱ Ր՛  
 օ՛Ա՛ Ս՛Զ 37 ԸԾԶ՛ Ե՛ Օ՛Ա՛ Ժ՛Է՛ vs (օ/օճ՛ 0.5) Օ՛ճԶԻՕՏՕԷԷԷ Ր՛Բ Ժ՛ Օ՛ 10 8ԱՐԱ .4.0 Ժ՛ Ա՛Օ՛  
 (օ/օճ՛ 0.1) յճԱճՕ՛Զ ԷԷԷՕՏՕԷԷԷ օճԻ՛ Ա՛Խ՛ .՛Զ 37 ց՛Աճ՛ ԸԾԶ՛ Զ՛՛ Ը՛ԶԱ՛ 3՛ ց՛Աճ՛ Ը՛Զ՛ ց՛Ա՛ օ՛Ա՛Օ՛  
 Օ՛ճ՛ ԷԷ՛ Ա՛Զ՛ Ե՛Ա՛՛ օ՛Ա՛Օ՛ Ժ՛ %83.3 Ժ՛ Օ՛ օ՛ԷԷՕ՛Է՛ ԸԷ՛ յճՕ՛ յ՛ ԷԶ .3.5 (pH) օ՛Ա՛ ԶՕԳ vs  
 0.1) յճԱճՕ՛Զ ԷԷԷՕՏՕԷԷԷ օճԻ՛ ց՛ԱՕ՛ ԷԷ՛ Զ՛՛ Զ՛՛ օ՛Ա՛ Ս՛Զ 38.46/(Կ-150) (1000) Ը՛ԷՕ՛  
 ց՛Աճ՛ Ը՛Օ՛ ԷԷ՛ Ս՛ԷԱՕ՛ Ժ՛ Ա՛Է՛ Օ՛ԽՕ՛Է՛ ԱԻ (OH)<sub>3</sub> Օ՛՛ Ը՛Ա՛՛ Ը՛Է՛ Զ՛՛ Զ՛ Ս՛Զ՛Կ՛ vs (օ/օճ՛

.Al(OH)<sub>3</sub> Ժ՛ Է՛ճ՛ յ՛Ա՛ Օ՛՛ Ը՛Ա՛՛ Ը՛Է՛ ճԶ 38.46 Լ՛Օ՛ Ա՛ Ս՛ԶԱՕ՛ ց՛Ա՛՛ օ՛Ա՛՛ ց՛Ա՛ Ժ՛  
 Ժ՛ Ե՛Ա՛ Օ՛՛ Չ՛ Օ՛/Խ0.04 Է՛ԷՕ՛ (pH) օ՛Ա՛ յճՕԱ Ր՛ յ՛ ԷԶ :Alkaline impurities Ը՛Ա՛՛ Է՛ճ՛ Ի՛  
 .10.0 Ժ՛ Ա՛Օ՛ R յճԱՕ՛ ԷԷԷՕ՛ Է՛Ա՛

Զ՛Օ՛ ց՛Ա՛Խ՛" յ՛ԶԱ՛ Կ՛ 8ճՕ՛ ճԷ Ա՛Օ Ը՛ԷՕ՛՛ Ը՛Ա՛՛ 0.15 Ը՛Ա՛ Զ՛՛ Օ՛Խ՛ Ր՛Ա՛ :Assay Ը՛ԷԱՕ՛  
 Ը՛Ա՛ ց՛Ա՛Ա՛ օճԻ՛ Ժ՛ Օ՛ 1 Օ՛ .(137 ԸԽԱՕ՛ Ս1 Է՛Օ՛) յճԷԱճԻՕ՛ "Complexometric titrations ց՛ԶԷՕ՛  
 .Al(OH)<sub>3</sub> Ժ՛ ՛՛ 3.900 յ՛Ա՛ vs (օ/օճ՛ 0.5) յճԱճՕ՛

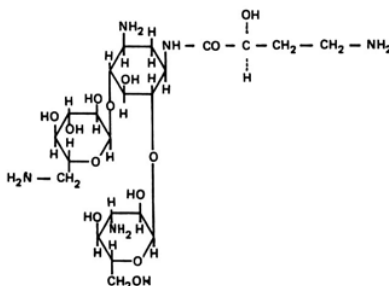
# AMIKACINUM

Amikacin – Дзізфіндзіўс

$C_{22}H_{43}N_5O_{13}$  :Molecular formula

585.6 :Relative molecular mass

:Graphic formula



:Chemical name

*O*-3-Amino-3-deoxy- $\alpha$ -D-glucopyranosyl-(1 $\rightarrow$ 4)-*O*-[6-amino-6-deoxy- $\alpha$ -D-glucopyranosyl-(1 $\rightarrow$ 6)]-*N*<sup>3</sup>-(4-amino-L-2-hydroxybutyryl)-2-deoxy-L-streptamine; (*S*)-*O*-3-amino-3-deoxy- $\alpha$ -D-glucopyranosyl-(1 $\rightarrow$ 6)-*O*-[6-amino-6-deoxy- $\alpha$ -D-glucopyranosyl-(1 $\rightarrow$ 4)]-*N*<sup>1</sup>-(4-amino-2-hydroxyoxobutyl)-2-deoxy-D-streptamine; CAS Reg. No. 37517-28-5.

.Надзіўс Гідратава Чэз Ужывоў Рэалі Бозыя азхуёу :Description

.о́дзіў Ж Ізсёоо́ Оўё :Solubility

.Іёо́дзіў а́а́рн о́а́а́ :Category

.я́Огёў Гёй8н ГісА́г Ж кё́Оёу́я́ ША́г А́з :Storage

## REQUIREMENTS

дн я́а́д сА́Он 900 дз О́Ол р Ан зы́з кё́Оёу́я́ БзОЗ :General requirement

:Identity testes

Ж У́ЗА́с TS (о́/һ80 ~) я́зА́зО́о́ А́ЕО́сО́А́ЕЛ о́зУ́Т дн О́н 1 8 А́Рл У́о́а́ дн О́н 1 Ж Нё́н 10 а́а́Ол :A  
 .УДзЕА́а́ Жзё́ ЖОА́ У́TS (о́/һ 10) (II) Кё́а́зО́о́ гё́а́Оп о́зУ́Т дн О́н 2 8 А́Рл  
 УДзЕА́а́ Жзё́ О́ОІО́л У́(Anthrone TS) TS ЖсА́рр о́зУ́Т дн О́н 4 8 А́Рлс о́а́н О́н 3 Ж һ 0.05 а́а́Ол :B

.anhydrous

Specific optical rotation  $[\alpha]_D^{20^\circ\text{C}} = 97 \text{ to } +105^\circ$

Sulfated ash (ash) 1000~) 2 2.0

Determination of water by the karl Fischer method

pH Value  
Assay  
Microbiological assay of antibiotics  
Subtilis  
ATCC 6633) Subtilis  
Staphylococcus aureus  
ATCC 29737  
fiducial limits  
Bacterial endotoxin test

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## AMIKACINI SULFAS

Amikacin Sulfate

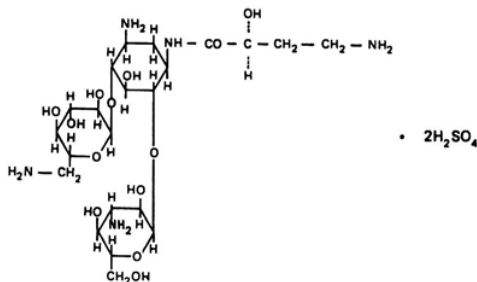
(non-injectable)

Sterile

Molecular formula

Relative molecular mass

:Graphic formula



:Chemical name

*O*-3-Amino-3-deoxy- $\alpha$ -D-glucopyranosyl-(1 $\rightarrow$ 4)-*O*-[6-amino-6-deoxy- $\alpha$ -D-glucopyranosyl-(1 $\rightarrow$ 6)]-*N*<sup>3</sup>-(4-amino-L-2-hydroxybutyryl)-2-deoxy-L-streptamine sulfate (1:2) (salt); (*S*)-*O*-3-amino-3-deoxy- $\alpha$ -D-glucopyranosyl-(1 $\rightarrow$ 6)-*O*-[6-amino-6-deoxy- $\alpha$ -D-glucopyranosyl-(1 $\rightarrow$ 4)]-*N*<sup>1</sup>-(4-amino-2-hydroxy-1-oxobutyl)-2-deoxy-D-streptamine sulfate (1:2) (salt); CAS Reg. No. 39831-55-5.

.Description

:Solubility

.R

:Category

:Storage

:Labelling

.

# REQUIREMENTS

:General requirement

.

:Identification tests

:A

:B

:B

. $\alpha$ 00j $\alpha$

General  $\check{C}$ h $\check{A}$ h $\check{O}$  8  $\check{A}$ h $\check{Q}$ èr $\check{A}$   $\check{g}$ 00 $\check{Q}$ n $\check{A}$ " J $\check{A}$ 3  $\check{K}$ O 8zòz $\check{t}$  A  $\check{O}$ 3 $\check{A}$ Q00 $\check{A}$   $\check{U}$ h $\check{A}$   $\check{O}$ n/ $\check{Q}$ n 20  $\check{A}$ è $\check{O}$ Q0 $\check{A}$  òz $\check{V}$ † $\check{A}$  :C  
(123  $\check{G}$ h $\check{A}$ 00 $\check{A}$   $\check{U}$ 1  $\check{A}$ è $\check{O}$ 0 $\check{A}$ )  $\check{g}$ 00 $\check{A}$ è $\check{V}$ 0  $\check{A}$ h $\check{t}$ h  $\check{O}$ 3 $\check{A}$ Q0 $\check{A}$  "identification tests

B $\check{U}$   $\check{t}$ zDZ $\check{A}$ 00 $\check{A}$   $\check{A}$ È $\check{Z}$ s  $\check{O}$ n/ $\check{Q}$ n10  $\check{A}$ è $\check{O}$ Q0 $\check{A}$  òz $\check{V}$   $\check{y}$ Á $\check{A}$ QÈ $\check{A}$  :Specific optical rotation  $\check{U}$ 3z $\check{A}$ 00 $\check{A}$   $\check{A}$ 0 $\check{O}$ 00 $\check{A}$   $\check{A}$ 0 $\check{A}$ è $\check{Q}$ 00 $\check{A}$   
.[ $\alpha$ ] $\check{D}$ <sup>20°C</sup> = +69 to 79°  $\check{U}$ è $\check{A}$ h $\check{Q}$ Y00 $\check{A}$   $\check{g}$ Á $\check{t}$ 0 $\check{A}$

(ò/h1000~)  $\check{O}$ 0 $\check{A}$ Q00 $\check{A}$   $\check{R}$ è $\check{p}$  d $\check{n}$   $\check{O}$ n 2  $\check{G}$ h $\check{A}$ è $\check{Z}$   $\check{A}$ È $\check{A}$  ( $\check{A}$ è $\check{O}$ Q00 $\check{A}$ ) ò $\check{A}$ h $\check{Q}$ † $\check{A}$   $\check{A}$ È $\check{A}$  :Sulfated ash  $\check{K}$ Á $\check{V}$ È $\check{t}$ 0 $\check{A}$   $\check{A}$ h $\check{Q}$ 00 $\check{A}$   
.h/ $\check{Q}$ n10 d3  $\check{A}$ Á $\check{A}$   $\check{r}$   $\check{U}$ TS (1760~)  $\check{O}$ 0 $\check{A}$ è $\check{V}$ È00 $\check{A}$   $\check{R}$ è $\check{p}$  d $\check{n}$   $\check{A}$ 0 $\check{A}$ 0 $\check{K}$   $\check{O}$ n 0.2 ø $\check{A}$ s TS

Determination of water by  $\check{A}$ È $\check{L}$ z ò0 $\check{A}$ 0 $\check{O}$   $\check{G}$ 0 $\check{A}$ 0 $\check{U}$ 0 $\check{A}$  ò $\check{A}$ † $\check{A}$   $\check{k}$ È $\check{H}$ " J $\check{A}$ 3  $\check{K}$ O 8zòz $\check{n}$  z $\check{L}$   $\check{A}$ è $\check{O}$  d $\check{n}$ h $\check{A}$  :Water ò $\check{A}$ † $\check{A}$   
 $\check{Z}$ z $\check{V}$   $\check{A}$ Á $\check{A}$   $\check{r}$   $\check{U}$ gÁ $\check{t}$ 0 $\check{A}$  d $\check{n}$  h0.2  $\check{G}$ 0 $\check{A}$ è $\check{V}$ è $\check{A}$   $\check{U}$ (145  $\check{G}$ h $\check{A}$ 00 $\check{A}$   $\check{U}$ 1  $\check{A}$ è $\check{O}$ 0 $\check{A}$ ) A  $\check{G}$ 0 $\check{A}$ 0 $\check{U}$ 00 $\check{A}$  "the Karl Fischer method  
.h/ $\check{Q}$ n50 d3 ò $\check{A}$ † $\check{A}$

.7.5-6.0  $\check{U}$ Jz $\check{A}$ 00 $\check{A}$   $\check{A}$ ÈÈ0 $\check{A}$   $\check{U}$ 0 $\check{A}$ h $\check{Q}$  d $\check{n}$  B $\check{A}$ † $\check{A}$  ò $\check{A}$ † $\check{A}$   $\check{Z}$   $\check{O}$ n/ $\check{Q}$ n 10  $\check{A}$ è $\check{O}$ Q0 $\check{A}$  òz $\check{V}$  ò $\check{A}$ È $\check{A}$   $\check{Q}$ † $\check{A}$  :pH Value ò $\check{A}$ È $\check{A}$ 00 $\check{A}$   $\check{C}$ †È $\check{e}$   
Microbiological  $\check{G}$ h $\check{Z}$ † $\check{A}$   $\check{g}$ 00 $\check{A}$ È $\check{t}$ è $\check{V}$ 0  $\check{G}$ ÈDZ $\check{Z}$ òz $\check{Z}$ è $\check{A}$ 0 $\check{U}$ † $\check{A}$   $\check{G}$ È $\check{A}$ 0 $\check{U}$ † $\check{A}$ " J $\check{A}$ 3  $\check{K}$ O  $\check{G}$ zòz $\check{t}$   $\check{G}$ È $\check{A}$ 0 $\check{U}$ † $\check{A}$   $\check{E}$ è $\check{U}$ † $\check{A}$  :Assay  $\check{G}$ È $\check{A}$ 0 $\check{U}$ † $\check{A}$   
ATCC ) *Bacillus Subtilis*  $\check{G}$ Èè $\check{A}$ 00 $\check{A}$   $\check{G}$ h $\check{Z}$ 0 $\check{H}$ 00 $\check{A}$  (a)  $\check{A}$ h $\check{U}$   $\check{y}$ 0 $\check{A}$ è $\check{A}$ Qè $\check{A}$   $\check{U}$ (155  $\check{G}$ h $\check{A}$ 00 $\check{A}$   $\check{U}$ 1  $\check{A}$ è $\check{O}$ 0 $\check{A}$ ) "assay of antibiotics  
 $\check{g}$ 00 $\check{A}$   $\check{G}$ †È0 $\check{Z}$   $\check{g}$ 00 $\check{A}$ È $\check{E}$   $\check{G}$ 00 $\check{A}$   $\check{U}$ 6.7-6.5 d $\check{n}$   $\check{U}$ 0 $\check{A}$ È $\check{A}$  (pH) ò $\check{A}$ È $\check{A}$  3 $\check{n}$  Cm1  $\check{t}$ 00 $\check{A}$   $\check{U}$ è $\check{s}$   $\check{U}$ 0 $\check{A}$ Q0 $\check{H}$ † $\check{A}$   $\check{U}$ g d00 $\check{A}$ 0 $\check{O}$  (6633  
 $\check{U}$ ( $\check{O}$ n/ $\check{G}$ è0 $\check{S}$ 0 $\check{A}$   $\check{g}$ Á $\check{g}$ s 20-5  $\check{g}$ Á $\check{A}$ 3)  $\check{A}$ Èè $\check{A}$ h $\check{Q}$   $\check{A}$ è $\check{O}$ Q0 $\check{A}$   $\check{k}$ è $\check{A}$ 0 $\check{H}$ † $\check{A}$  d $\check{n}$  òz $\check{V}$   $\check{U}$ TS3  $\check{S}$ † TS2  $\check{S}$ † TS1 (pH) 6.0 ò $\check{A}$ È $\check{A}$ È $\check{A}$   
 $\check{U}$ g d00 $\check{A}$ 0 $\check{O}$  (TCC 29737) *Staphylococcus aureus*  $\check{G}$ Èè $\check{O}$ 00 $\check{A}$   $\check{G}$ Á $\check{Z}$ 0 $\check{A}$ h $\check{O}$ 00 $\check{A}$  (b)  $\check{S}$ †  $\check{U}$ 0 $\check{y}$  35-32  $\check{k}$ è  $\check{g}$ 00 $\check{A}$ g  $\check{G}$ DZ0 $\check{A}$ È $\check{A}$  d $\check{R}$ h $\check{U}$ † $\check{A}$   
 $\check{g}$ Á $\check{g}$ s 10  $\check{g}$ Á $\check{A}$ 3)  $\check{A}$ Èè $\check{A}$ h $\check{Q}$   $\check{A}$ è $\check{O}$ Q0 $\check{A}$   $\check{k}$ è $\check{A}$ 0 $\check{H}$ † $\check{A}$  d $\check{n}$  òz $\check{V}$   $\check{U}$ Á $\check{t}$ † $\check{E}$ Á $\check{A}$   $\check{g}$ 00 $\check{A}$ È $\check{A}$ 00 $\check{A}$   $\check{G}$ 00 $\check{A}$ 0 $\check{A}$ s  $\check{t}$ 00 $\check{A}$   $\check{U}$ è $\check{s}$   $\check{y}$ 0 $\check{A}$ è $\check{A}$ Qè $\check{A}$   $\check{U}$ 0 $\check{A}$ Q0 $\check{H}$ † $\check{A}$   
 $\check{U}$ 0 $\check{A}$ è $\check{V}$  fiducial limits $\check{g}$ Á $\check{t}$ † $\check{H}$ † $\check{A}$   $\check{A}$ s $\check{A}$ È $\check{A}$   $\check{A}$ † $\check{E}$ z Jz0 $\check{K}$   $\check{r}$  J†  $\check{U}$ È  $\check{G}$ È $\check{A}$ 0 $\check{U}$ † $\check{A}$   $\check{G}$ è $\check{A}$   $\check{A}$ † $\check{E}$ Á $\check{A}$   $\check{g}$ 00 $\check{A}$ È $\check{A}$   $\check{G}$ DZ0 $\check{A}$ È $\check{A}$  d $\check{R}$ h $\check{U}$ † $\check{A}$   $\check{U}$ ( $\check{O}$ n/ $\check{G}$ è0 $\check{S}$ 0 $\check{A}$   
( $P=0.95$ )  $\check{g}$ 00 $\check{A}$ 0 $\check{U}$ † $\check{A}$   $\check{G}$ È $\check{V}$ 3 $\check{A}$ Á00 $\check{A}$  d $\check{n}$  %105 d $\check{n}$   $\check{A}$ †0 $\check{U}$ † $\check{A}$   $\check{r}$ s %95 d $\check{n}$   $\check{O}$ è $\check{U}$ † $\check{A}$  estimated potency ( $P=0.95$ )  $\check{g}$ 00 $\check{A}$ 0 $\check{U}$ † $\check{A}$   $\check{G}$ È $\check{V}$ 3 $\check{A}$ Á $\check{V}$ 0  
 $\check{G}$ è $\check{Z}$ È $\check{t}$   $\check{U}$ h $\check{Q}$ n/ $\check{y}$ 0 $\check{A}$ Q $\check{S}$ 0 $\check{A}$ 0 $\check{n}$  650 d $\check{n}$   $\check{O}$ è $\check{U}$ † $\check{A}$  ( $P=0.95$ )  $\check{g}$ 00 $\check{A}$ 0 $\check{U}$ † $\check{A}$   $\check{G}$ È $\check{V}$ 3 $\check{A}$ Á00 $\check{A}$  d $\check{n}$   $\check{U}$ 0 $\check{A}$ è $\check{V}$ 0 Bz $\check{V}$ h $\check{O}$ 0 $\check{A}$   $\check{A}$ è $\check{U}$ † $\check{A}$   $\check{A}$ È $\check{A}$  Jz0 $\check{A}$   $\check{r}$  J† $\check{S}$   
.anhydrous  $\check{G}$ È $\check{A}$ h $\check{Q}$ Y00 $\check{A}$   $\check{g}$ Á $\check{t}$ 0 $\check{A}$  B $\check{U}$   $\check{t}$ zDZ $\check{A}$ 00 $\check{A}$

h0 $\check{Z}$ † $\check{S}$ † $\check{A}$ è D† $\check{Z}$ è† $\check{A}$ † $\check{D}$ † $\check{U}$ è  $\check{L}$ † $\check{Z}$ † $\check{A}$   $\check{U}$ † $\check{U}$ † $\check{U}$  h† $\check{Z}$ † $\check{F}$ † $\check{A}$   $\check{L}$ † $\check{G}$ † $\check{U}$ † $\check{D}$ † $\check{Z}$

#### Additional Requirements for Sterile Amikacin Sulfate

.ò $\check{A}$ z† $\check{V}$ 0  $\check{L}$ è $\check{O}$  z $\check{U}$  z† $\check{V}$ 3  $\check{G}$ 0† $\check{V}$ 8 $\check{n}$   $\check{G}$ Á $\check{S}$ g  $\check{Z}$   $\check{k}$ è $\check{A}$ 0 $\check{H}$ † $\check{A}$   $\check{g}$ 00 $\check{A}$ è $\check{V}$ è  $\check{S}$ Á $\check{g}$   $\check{A}$ È $\check{Z}$  :Storage d00 $\check{A}$ Á $\check{Q}$ 00 $\check{A}$

Sterility testing of  $\check{G}$ h $\check{Z}$ † $\check{A}$   $\check{g}$ 00 $\check{A}$ È $\check{t}$ è $\check{V}$ 0  $\check{G}$ h $\check{A}$ 0 $\check{H}$ 00 $\check{A}$   $\check{O}$ 0 $\check{G}$ 0 $\check{H}$ † $\check{A}$ " J $\check{A}$ 3  $\check{K}$ O  $\check{A}$ 0 $\check{S}$   $\check{A}$ † $\check{A}$   $\check{A}$ ÈDZ0 $\check{E}$ † $\check{A}$  :Sterility  $\check{G}$ h $\check{A}$ 0 $\check{H}$ 00 $\check{A}$

.membran filtration 0.1 μm filter "antibiotics

Additional requirements for Amikacin sulfate for parenteral use

.(56 g/100 ml "Amikacin sulfate" 0.5 g/100 ml "Amikacin sulfate")

Endotoxins Bacterial endotoxins 0.5 units/g "Test for bacterial endotoxins 0.5 units/g 0.33 units/g

Additional requirements for Amikacin sulfate for sterile use

Test for sterility of non-sterile "Amikacin sulfate" 0.5 units/g "Amikacin sulfate" 0.5 units/g

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## AMILORIDI HYDROCHLORIDUM

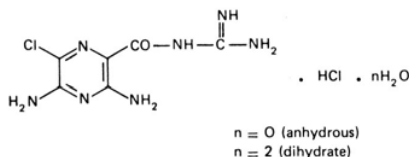
Amiloride hydrochloride 0.5 g/100 ml

anhydrous 0.5 g/100 ml

dihydrate 0.5 g/100 ml

Molecular formula  $C_6H_8ClN_7O \cdot HCl \cdot 2H_2O$  (302.1)  $C_6H_8ClN_7O \cdot HCl$  (266.1) Relative molecular mass 302.1 (anhydrous) 266.1 (dihydrate)

Graphic formula

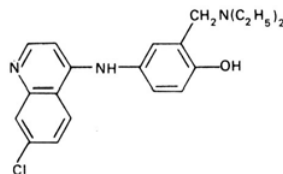








:Graphic formula  $\text{G}\ddot{\text{e}}\text{p}\ddot{\text{A}}\text{E}\text{G}\ddot{\text{t}}\ddot{\text{a}} \text{G}\ddot{\text{8}}\text{E}\ddot{\text{O}}\ddot{\text{a}}$



:Chemical name  $\text{U}\ddot{\text{a}}\ddot{\text{A}}\text{E}\text{E}\text{E}\ddot{\text{O}}\ddot{\text{a}} \text{I}\ddot{\text{e}}\text{r}\ddot{\text{a}}$

4-[(7-Chloro-4-quinolyl)amino]-*a*-(diethylamino)-*o*-cresol;  
4-[(7-chloro-4-quinolyl)amino]-2-[(diethylamino)methyl]phenol; CAS Reg.  
No. 86-42-0.

. $\text{G}\ddot{\text{H}}\ddot{\text{u}}\ddot{\text{a}}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{a}}$   $\text{C}\ddot{\text{A}}\text{3}$   $\text{U}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{a}}$   $\text{J}\ddot{\text{z}}\ddot{\text{V}}\ddot{\text{a}}$   $\text{B}\ddot{\text{O}}\ddot{\text{z}}\ddot{\text{V}}\ddot{\text{a}}$   $\text{a}\ddot{\text{z}}\text{H}\ddot{\text{u}}\ddot{\text{E}}\ddot{\text{n}}$ :Description  $\text{Z}\ddot{\text{O}}\ddot{\text{z}}\ddot{\text{O}}\ddot{\text{a}}$

. $\text{R}$   $\text{y}\ddot{\text{O}}\ddot{\text{z}}\ddot{\text{z}}\ddot{\text{S}}\ddot{\text{O}}\ddot{\text{z}}\ddot{\text{V}}\ddot{\text{O}}\ddot{\text{a}}$   $\text{Z}\ddot{\text{O}}\ddot{\text{a}}$   $\ddot{\text{a}}$   $\ddot{\text{a}}\ddot{\text{S}}\ddot{\text{a}}$   $\text{U}\ddot{\text{H}}\ddot{\text{E}}\ddot{\text{V}}\ddot{\text{t}}\text{3}$   $\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{t}}\ddot{\text{a}}$   $\text{Z}\ddot{\text{O}}\ddot{\text{a}}$   $\ddot{\text{a}}$   $\ddot{\text{a}}\ddot{\text{S}}\ddot{\text{a}}$   $\text{Kd}$ :Solubility  $\text{G}\ddot{\text{e}}\text{p}\ddot{\text{A}}\text{E}\text{S}\ddot{\text{O}}\ddot{\text{a}}$

. $\text{A}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{Y}}\ddot{\text{t}}\ddot{\text{a}}$   $\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{R}}\ddot{\text{n}}$   $\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{S}}\ddot{\text{A}}$ :Category  $\text{G}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{a}}$

. $\text{y}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{g}}\ddot{\text{u}}\ddot{\text{a}}$   $\text{C}\ddot{\text{O}}\ddot{\text{V}}\ddot{\text{8}}\ddot{\text{n}}$   $\text{C}\ddot{\text{A}}\ddot{\text{S}}\ddot{\text{A}}\ddot{\text{g}}$   $\text{Z}\ddot{\text{O}}\ddot{\text{a}}$   $\text{k}\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{z}}\ddot{\text{n}}\ddot{\text{j}}\ddot{\text{a}}$   $\text{S}\ddot{\text{A}}\ddot{\text{g}}$   $\text{A}\ddot{\text{E}}\text{z}$ :Storage  $\text{d}\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{a}}$

#### REQUIREMENTS $\text{K}\ddot{\text{C}}\ddot{\text{h}}\ddot{\text{u}}\ddot{\text{t}}\ddot{\text{S}}\ddot{\text{k}}\ddot{\text{d}}\ddot{\text{z}}\ddot{\text{f}}$

% 103.0  $\text{d}\ddot{\text{z}}$   $\text{A}\ddot{\text{E}}\ddot{\text{A}}\ddot{\text{A}}$   $\text{r}\ddot{\text{S}}$  %97.0  $\text{d}\ddot{\text{z}}$   $\ddot{\text{O}}\ddot{\text{O}}\ddot{\text{A}}$   $\text{r}$   $\text{A}\ddot{\text{n}}$   $\text{z}\ddot{\text{V}}\ddot{\text{z}}$   $\text{k}\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{z}}\ddot{\text{n}}\ddot{\text{j}}\ddot{\text{a}}$   $\text{B}\ddot{\text{z}}\ddot{\text{Q}}\ddot{\text{z}}$ :General requirement  $\text{y}\ddot{\text{A}}\ddot{\text{H}}\ddot{\text{O}}\ddot{\text{a}}$   $\text{A}\ddot{\text{E}}\ddot{\text{V}}\ddot{\text{O}}\ddot{\text{q}}\ddot{\text{a}}$

. $\text{G}\ddot{\text{e}}\text{p}\ddot{\text{A}}\ddot{\text{n}}\ddot{\text{Y}}\ddot{\text{O}}\ddot{\text{a}}$   $\text{g}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{t}}\ddot{\text{a}}$   $\text{B}\ddot{\text{O}}$   $\text{t}\ddot{\text{z}}\text{DZ}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{a}}$   $\text{G}\ddot{\text{a}}\ddot{\text{z}}\ddot{\text{E}}\ddot{\text{T}}$   $\text{U}\ddot{\text{C}}_{20}\text{H}_{22}\text{ClN}_3\text{O}$   $\text{d}\ddot{\text{n}}$

:Identity test  $\text{h}\ddot{\text{u}}\ddot{\text{N}}\ddot{\text{J}}\ddot{\text{N}}\ddot{\text{U}}\ddot{\text{I}}\ddot{\text{E}}$   $\text{I}$   $\text{E}\ddot{\text{p}}\ddot{\text{F}}\ddot{\text{G}}\ddot{\text{H}}\ddot{\text{Q}}\ddot{\text{I}}\ddot{\text{E}}$

. $\text{C}\ddot{\text{S}}$   $\text{B}$   $\text{d}\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{Q}}\ddot{\text{O}}\ddot{\text{n}}\ddot{\text{r}}\ddot{\text{a}}$   $\text{S}\ddot{\text{U}}$   $\text{A}$   $\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{Q}}\ddot{\text{O}}\ddot{\text{n}}\ddot{\text{r}}\ddot{\text{a}}$   $\text{A}\ddot{\text{n}}\ddot{\text{U}}$   $\text{E}\ddot{\text{p}}\ddot{\text{G}}\ddot{\text{U}}\ddot{\text{K}}$   $\text{d}\ddot{\text{O}}\ddot{\text{z}}$  •

Spectrophotometry in  $\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{t}}\ddot{\text{S}}\ddot{\text{A}}$   $\text{K}\ddot{\text{O}}$   $\text{C}\ddot{\text{O}}\ddot{\text{U}}\ddot{\text{A}}\ddot{\text{n}}$   $\text{Z}\ddot{\text{O}}\ddot{\text{a}}$   $\text{H}\ddot{\text{a}}\ddot{\text{E}}\ddot{\text{E}}\ddot{\text{z}}$  "  $\text{j}\ddot{\text{z}}\ddot{\text{A}}\text{3}$   $\text{K}\ddot{\text{O}}$   $\text{8}\ddot{\text{z}}\ddot{\text{O}}\ddot{\text{z}}\ddot{\text{t}}\ddot{\text{a}}$   $\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{Q}}\ddot{\text{O}}\ddot{\text{n}}\ddot{\text{r}}\ddot{\text{a}}$   $\text{E}\ddot{\text{G}}\ddot{\text{U}}\ddot{\text{A}}$  :A

.(43  $\text{G}\ddot{\text{H}}\ddot{\text{U}}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{a}}$   $\text{U}\ddot{\text{I}}\ddot{\text{A}}\ddot{\text{E}}\ddot{\text{V}}\ddot{\text{O}}\ddot{\text{a}}$ ) "the infrared region

free base  $\text{A}\ddot{\text{S}}\ddot{\text{A}}$   $\text{a}\ddot{\text{I}}\ddot{\text{e}}\ddot{\text{j}}\ddot{\text{a}}$   $\text{d}\ddot{\text{n}}$   $\text{c}\ddot{\text{P}}\ddot{\text{V}}\ddot{\text{z}}$   $\ddot{\text{O}}\ddot{\text{O}}\ddot{\text{H}}\ddot{\text{U}}\ddot{\text{E}}\ddot{\text{t}}\ddot{\text{a}}$   $\text{Z}\ddot{\text{E}}\ddot{\text{O}}\ddot{\text{a}}$   $\text{3}\ddot{\text{n}}$   $\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{t}}\ddot{\text{S}}\ddot{\text{A}}$   $\text{K}\ddot{\text{O}}$   $\text{G}\ddot{\text{H}}\ddot{\text{I}}\ddot{\text{j}}\ddot{\text{a}}$   $\text{Z}\ddot{\text{O}}\ddot{\text{a}}$   $\text{i}$   $\text{A}\ddot{\text{O}}\ddot{\text{n}}\ddot{\text{r}}\ddot{\text{a}}$   $\text{Z}\ddot{\text{E}}\ddot{\text{U}}$   $\text{E}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{q}}\ddot{\text{A}}$

. $\text{k}\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{z}}\ddot{\text{n}}\ddot{\text{Q}}\ddot{\text{O}}$  *reference spectrum*  $\text{U}\ddot{\text{H}}\ddot{\text{D}}\text{Z}\ddot{\text{A}}\ddot{\text{t}}\ddot{\text{a}}$   $\text{Z}\ddot{\text{E}}\ddot{\text{O}}\ddot{\text{a}}$   $\text{3}\ddot{\text{n}}$   $\text{S}\ddot{\text{U}}$   $\text{RS}$   $\text{k}\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{z}}\ddot{\text{n}}\ddot{\text{j}}\ddot{\text{a}}$   $\text{A}\ddot{\text{E}}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{z}}\ddot{\text{V}}\ddot{\text{O}}\ddot{\text{S}}\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{E}}\ddot{\text{T}}$

$\text{U}\ddot{\text{T}}\text{S}$  (II)  $\text{K}\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{z}}\ddot{\text{O}}\ddot{\text{a}}$   $\text{g}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{Q}}\ddot{\text{O}}\ddot{\text{p}}\ddot{\text{y}}\ddot{\text{z}}\ddot{\text{E}}\ddot{\text{p}}\ddot{\text{z}}\ddot{\text{n}}\ddot{\text{j}}\ddot{\text{a}}$   $\text{g}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{E}}\ddot{\text{z}}\ddot{\text{E}}\ddot{\text{z}}\ddot{\text{E}}\ddot{\text{Q}}$   $\ddot{\text{O}}\ddot{\text{z}}\ddot{\text{Y}}\ddot{\text{T}}$   $\text{d}\ddot{\text{n}}$   $\ddot{\text{O}}\ddot{\text{n}}$  0.5  $\text{8}\ddot{\text{A}}\ddot{\text{R}}\ddot{\text{I}}\ddot{\text{S}}$   $\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{n}}$   $\ddot{\text{O}}\ddot{\text{n}}$  0.1  $\text{Z}\ddot{\text{O}}\ddot{\text{a}}$   $\text{H}\ddot{\text{V}}\ddot{\text{n}}$  20  $\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{A}}$  :B

. $\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{R}}\ddot{\text{n}}$   $\text{C}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{E}}\ddot{\text{H}}$   $\text{j}\ddot{\text{Q}}\ddot{\text{A}}\ddot{\text{K}}$

A  $\ddot{\text{O}}\ddot{\text{z}}\ddot{\text{V}}\ddot{\text{I}}\ddot{\text{A}}$   $\text{d}\ddot{\text{n}}$   $\text{G}\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{a}}$   $\text{G}\ddot{\text{H}}\ddot{\text{O}}\ddot{\text{G}}\ddot{\text{O}}\ddot{\text{a}}$   $\text{E}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{q}}\ddot{\text{A}}$  . "Substances Related  $\text{C}\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{I}}\ddot{\text{t}}\ddot{\text{a}}$   $\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{z}}\ddot{\text{t}}\ddot{\text{a}}$ "  $\text{j}\ddot{\text{z}}\ddot{\text{A}}\text{3}$   $\text{K}\ddot{\text{O}}$   $\text{8}\ddot{\text{z}}\ddot{\text{O}}\ddot{\text{z}}\ddot{\text{t}}\ddot{\text{a}}$   $\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{Q}}\ddot{\text{O}}\ddot{\text{n}}\ddot{\text{r}}\ddot{\text{a}}$   $\text{A}\ddot{\text{T}}\ddot{\text{t}}\ddot{\text{a}}$  :C

.B  $\ddot{\text{O}}\ddot{\text{z}}\ddot{\text{V}}\ddot{\text{I}}\ddot{\text{A}}$   $\text{d}\ddot{\text{n}}$   $\text{G}\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{a}}$   $\ddot{\text{O}}\ddot{\text{V}}\ddot{\text{K}}$   $\text{3}\ddot{\text{n}}$   $\text{g}\ddot{\text{A}}\ddot{\text{E}}\ddot{\text{T}}$   $\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{S}}$   $\text{A}\ddot{\text{T}}\ddot{\text{T}}\ddot{\text{t}}\ddot{\text{S}}$   $\text{3}\ddot{\text{E}}\ddot{\text{z}}\ddot{\text{t}}\ddot{\text{A}}$

. $\text{h}\ddot{\text{V}}\ddot{\text{H}}\ddot{\text{n}}$  2.0  $\text{d}\ddot{\text{n}}$   $\text{d}\ddot{\text{z}}$   $\text{A}\ddot{\text{E}}\ddot{\text{A}}\ddot{\text{A}}$   $\text{r}$  :Sulfated ash  $\text{K}\ddot{\text{Y}}\ddot{\text{A}}\ddot{\text{E}}\ddot{\text{t}}\ddot{\text{a}}$   $\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{n}}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{a}}$

Determination of water by  $\text{A}\ddot{\text{I}}\ddot{\text{E}}\ddot{\text{z}}$   $\ddot{\text{O}}\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{O}}$   $\text{G}\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{a}}$   $\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{t}}\ddot{\text{a}}$   $\text{k}\ddot{\text{E}}\ddot{\text{H}}\ddot{\text{K}}$ "  $\text{j}\ddot{\text{z}}\ddot{\text{A}}\text{3}$   $\text{K}\ddot{\text{O}}$   $\text{8}\ddot{\text{z}}\ddot{\text{O}}\ddot{\text{z}}\ddot{\text{n}}$   $\text{z}\ddot{\text{E}}$   $\text{A}\ddot{\text{t}}\ddot{\text{O}}$   $\text{d}\ddot{\text{n}}\ddot{\text{H}}$  :Water  $\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{t}}\ddot{\text{a}}$

օձի՜ք ՔշՂԴ ԲԵՆԱՆ ք Սըգձի՜ք քո ի՜ 0.8 քա՛հԱՊը՛հ Դ(145 ՃԽԱՕ՞՞՞՞՞՞ ԲՅՕ՞) Ա ՃՕՆԱՕ՞՞՞՞ Դ"the Karl Fischer method  
.հ/դի՛ն 5.0 քո

ՃՕԳՕ՞՞՞՞ ք քձԻ՛ղը՛ք" յա՛հ3 ՔՕ՝ 8շժո՛ղ շԷ և՛ ՔԷՄ օ՛հՊն՛ք ԲԳՍ՝ :Related substances ՃՕՐԻ՜ք քձշ՜ք  
Բեքչո՛յի՛ք 3Ի՛ն քոշչսճշ՛Օ՞՞ քո օշ՛Դ ԲՐԽ՝ .(84 ՃԽԱՕ՞՞՞՞ Դ1 ԲՅՕ՞) "Thin-layer chromatography ՃՕԷԶ՞՞՞  
.քոշչսճշ՛Օ՞՞ ՃՕԳ՞ ՕՕՐ՝ TS (օ/հ260~) Բեքչո՛յի՛ք 3ո՛ R քոշչսճշ՛Օ՞՞ ՐՆ Օ՞ք՛

19 ՍԲեքչո՛յի՛ք 3Ի՛ն Սքոշչսճշ՛Օ՞՞ քո քշԾշ 9 քո յ՛և՛ն՛ք ՃՅՑո՛ն ցձ՛՛՛ Silica gel R2 ԲՕՎԷԷ՞՞՞ ՃոՄԷ քա՛հԱՊԷ՛  
ԲԷք օձի՜ք քո ի՜ 0.15 ք օ՛հ՛ օ՛հՊն՛ք օշ՛Դ ՔՐԽՊ՛ք .ՕՐԽՊ՛ն օշ՛Օ dehydrated օձի՜ք լ՛ճՐ՛ն օշ՛Պձ՛ղ քո ի՛Ծշ  
դի՛ն 40 ՕՕՐ՝ reference ՃԷԾԶՐ՜ք Օ՞քձ՛ք ԿՐԽՊ՛ք .(Ա օշ՛Դ) Բեքչո՛յի՛ք 3Ի՜ք քոշչսճշ՛Օ՞՞ քո Օ՛ն 10 Ճ Օ՞ԽԱ՞  
3Ի՜ք քոշչսճշ՛Օ՞՞ քո Օ՛ն 2.0 8Ր՛ ԴցձձԷ՛ Բձ ԽԾձԾձ օ՛հՊն՛ք քշ՛՛ Բ՛ RS Կժ՛և՛ն՛ք Բ՛ և՛ճշ՛Օ՞՞ քո  
.(Բ օշ՛Դ) յ՛ օ՛հՊն՛ք քշ՛՛ Բ՛ օշ՛ք՛ք յ՛ Բ՛ ՍՐՕ՞՞ ԴՃՕ՞՞ քա՛հԱՊԷ՛ ՕՐ՛ .ՃՕԷձ՛ 2 ցձ՛ն ցձ՛Բ՛ քՐՃ՛ ՍԲեքչո՛յի՛ք  
10 ՃԽԱՕ՞՞՞ շ՛3 ՄՕՐ՛ ԲԳՍ՝ .(Ը օշ՛Դ) Բեքչո՛յի՛ք 3Ի՜ք քոշչսճշ՛Օ՞՞ քո Օ՛ն 200 Բ՛ Բ օշ՛ք՛ք քո Օ՛ն 1.0 ՃձՃ  
Օ՞Խ՛ Ճ օձշ՛՛ Ճ ՃՐ Խժ ՕՐ՛ օ՛հ՛ ԴձԷ՛ քԾշ քո ՃԽԱՕ՞՞՞ լ՛ Բ՛ Բ՛ .Ը՛ Բ՛ Ա Օ՞քձ՛ք քո Բ՛ճ՛Ր՛ն  
քո Բ՛Յ՛ ՕՒՐ՛ ՃՕՒՐ՛ ԳՕ՛ ԳՕ՛ յ՛Օ՛ք .(Բ՛ն՛ն՛ 254) ՃԷԾԷԱԳ՞՞՞ քշ՛ ՃՏ՛ի՛ք chromatogram ք քձԻ՛ղը՛ք ՍՍՍ՛  
.Ը օշ՛ք՛ք քո Բ՛Յ՛ ՕՒՐ՛ Խժ՛ Օ՛՛ քո ցձ՛ ձ՛ժ՛ ՍՃԷԷԶ՞՞՞ ՃՕ՞՞՞ օ՛հ՛ճը՛ք ՍՐ օշ՛ք՛ք

(օ/օշո՛ն 0.1) Օ՛ն՛ճ՛ճ՛ճ՛՛ Ր՛ք քո ՃԷՐ՛ ՃԷ՛՛ Ճ ՍՃԷ՛շ՛՛ Ճ՛ն՛ն՛ Ս՛ 0.3 ՃձԲք ք օ՛հ՛ :Assay ՃԷՐ՛՛  
ԽՐԾձՐ՛ն օշ՛Դ ՄՕՐ՛ ԲՐԽ՝ .ԲԷՐ՛ Ս՛շ՛՛ Օ՛ն 1000 Բ՛ օշ՛ք՛ք օ՛՛ քո Օ՛ն 10.0 ՃձՐ՛ Ս՛ն 200 ԽՍՒ՛ vs  
0.1) Օ՛ն՛ճ՛ճ՛՛ Ր՛ք քո Օ՛ն 1 Օ՛՛ Ճ RS Կժ՛և՛ն՛ք Բ՛ և՛ճշ՛Օ՞՞ քո քա՛հԱՊ՛ն 15 շ՛3 ԲշՐ՛  
Օ՛ն՛ն՛ Բ՛ն՛ն՛ 342 ՃձԲք Խ՛՛՛ ՃԾշո՛ն օշ՛՛ Կ՛շ՛ք՛ք ՄՕ՛ յ՛՛ Ճ՛Ր՛՛ ՃՕԳ՞ օ՛՛ն քո ի՛ լ՛՛ ք քձԻ՛ղը՛ք .vs(օ/օշո՛ն  
քա՛հ Խ՛՛՛ ՍՃԷ՛՛ ՔԷՒ՝ .vs (օ/օշո՛ն 0.1) Օ՛ն՛ճ՛ճ՛՛ Ր՛ք ԲշՐ՛ Խժ՛՛ Solvent cell Բ՛ն՛ք քԾշ  
355.9 յ՛ Ս(355.9/428.8)(20C)(A<sub>u</sub>I<sub>A<sub>s</sub></sub>) ՃԷՕ՞՞ քա՛հԱՊը՛հ Օ՞ԽԱ՞ ԲԷք ցձ՛ք Ճ C<sub>20</sub>H<sub>22</sub>CIN<sub>3</sub>O ժ՛՛ Ս(դի՛ն)  
ԽԷ Ը ՕՒձՐ՞՞ շ՛3 ՍԽ՛ն՛՛ Կժ՛և՛ն՛ք Բ՛ և՛ճշ՛Օ՞՞՛՛ Կժ՛և՛ն՛՛ ԿՒԷԷ՞՞՞ ԿՒԷՐ՛՛ ԿՒ՛Օ՞՞ Բ՛ 428.8՛  
RS Կժ՛և՛ն՛ք Բ՛ և՛ճշ՛Օ՞՞՛՛ anhydrous ՃԷՐ՛՛ ցձ՛ք Բ՛ լ՛ԾԶՐ՞՛ ՃձԷ՛ Ս՛ն 1 Օ՛՛ Ճ քա՛հԱՊ՛ն ՍԲՕ՞՞  
.ԲձՐ՞՞ շ՛3 ՍԽՐԾՐ՜ք օշ՛Խ՛՛՛ Օ՞ԽԱ՞ ԲԷք ցձ՛ք օշ՛ք՛ք յ՛՛ լ՛՛ Բ՛ Բ՛ Բ՛ ՍԽՐԾՐ՜ք օշ՛ք՛ք Ճ

# AMPHOTERICNUM B

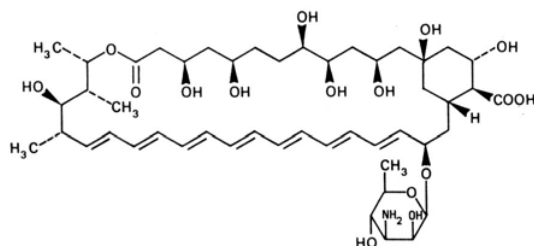
(Amphotericine B) B Dձիշի՛ն՛՛՛

parenteral Իժ՛՛՛ ք՛՛՛ ք՛՛ ք՛՛ B Dձիշի՛ն՛՛՛

C<sub>47</sub>H<sub>73</sub>NO<sub>17</sub> :Molecular formula ՃԷՐ՛՛ ՃԷՕ՞՞

924.1 :Relative molecular mass 924.1

:Graphic formula



:Chemical name

(1R,3S,5R,6R,9R,11R,15S,16R,17R,18S,19E,21E,23E,25E,27E,29E,31E,33R,35S,36R,37S)-33-[(3-Amino-3,6-dideoxy-β-D-mannopyranosyl)-oxy]-1,3,5,6,9,11,17,37-octahydroxy-15,16,18-trimethyl-13-oxo-14,39-dioxabicyclo[33.3.1]nonatriaconta-19,21,23,25,27,29,31-heptaene-36-carboxylic acid; [1R-(1R\*,3S\*,5R\*,6R\*,9R\*,11R\*,15S\*,16R\*,17R\*,18S\*,19E,21E,23E,25E,27E,29E,31E,33R\*,35S\*,36R\*,37S\*)]-33-[(3-amino-3,6-dideoxy-β-D-mannopyranosyl)oxy]-1,3,5,6,9,11,17,37-octahydroxy-15,16,18-trimethyl-13-oxo-14,39-dioxabicyclo[33.3.1]nonatriaconta-19,21,23,25,27,29,31-heptaene-36-carboxylic acid; (3R,5R,8R,9R,11S,13R,15S,16R,17S,19R,34S,35R,36R,37S)-19-(3-amino-3,6-dideoxy-β-D-mannopyranosyloxy)-16-carboxy-3,5,8,9,11,13,15,35-octahydroxy-34,36-dimethyl-13,17-epoxyoctatriaconta-20,22,24,26,28,30,32-heptaen-37-olide; CAS Reg. No. 1397-89-3.

:Description

:Solubility

:Category

:Storage

85 2

:Labelling

:Additional information

(pH)

# REQUIREMENTS K<sup>chul</sup>Skdz/f

Õð Ž yāĀdšĀŌŋ 750 d3 ŌŌĹ fĀŋ 2Ŷ3 B kĒĹKĳĀŋjā BzŪ3 :General requirement yāĤōā ĀĒŶŪŪā  
.ĊĀĀŌā gāĤā BŪ tZDZĀōĀ ĠzĒĒŬ Ūŋŋŋ

:Identity tests luŶŶŶŶŶŶ l ɛɛɛɛɛɛ

óĀŌē ĤtDzġ ŬŪĤēō R ózŋĤēĵā dŋ ĠēzĀō ĠēĤō 8ĀĹĹ ŪR ĀĒĒōzĀŶē ŌĒēŋ ŬāĤŋ dŋ Ōŋ 5 Ž ŋŋ 25 āāŌĹ :A  
óāzūūē ŠġŶĹ ĀŋĀ3 Ūj kĀāōā ózŶŬtŶō ĩ ĀŌŋfā ZĹū BĀĠĀ .R ózŋĤēĵā Ōŋ 200 BŪ ĊĀŋ Ōŋ 2.0 ZĀĊŶ ŪŌŋ 50  
ŪĀŋzŋŋ 381 ŪĀŋzŋŋ 362 ĠāĀē dŋ žāzŋŋ óāzūūē ĠēĤ3Ū Ŷŋē ŲŶŶ ŪĀŋzŋŋ 450Ŷ Āŋzŋŋ 300 kē žāzŋjā  
Āŋzŋŋ 381 ĠDZŶĵā ózŪē ĩ ĀtŌōā BŪ Āŋzŋŋ 362 ĠDZŶĵā ózŪē Ĺē 1 ĠŋĀĀžē ĠŌĠŌ ŋĬ ĀtŌōā ĠĒŶ ŶŶē .Āŋzŋŋ405  
.0.9 ĠāĀē ŬĒ Āŋzŋŋ 405 ĠDZŶĵā ózŪē ŋĬ ĀtŌōā BŪ Āŋzŋŋ 381 ĠDZŶĵā ózŪē ŋĬ ĀtŌōā ĠĒŶ Ū0.6 ĠāĀē ŬĒ  
1440~) ŌŋzĀŶĒēō RēŶ dŋ Ōŋ 5 ŌŋĀĀŶ R ĀĒĒōzĀŶē ŌĒēŋ ŬāĤŋ dŋ Ōŋ 2.0 Ž ŋŋ 1 ĠāĀē āāŌĹ :B  
žĀē .kŶĀĒēō ŬŌŌŪ ŬŬŪē āĀŲ Ā3 ōĀēōā ĠŌŶ ŶŋzŶ jZŌŲ Ūāzŋjā ŌĀēŪ Ž ĠŌŪ ŌŌŶēō TS (ōŶŶ  
.ĲĒĀōā ĀĀŌjā BŪ ózŶā jZŌ ōŲŲ ŪžĀŶŶ ōĤā dŋ Ōŋ 15 8ĀĹĹ .ĀĀēĬ āŋŪ jZŌ jŲĀ ŪjŶĒēō

.ĥŋŋŋ 30 d3 ĀĹĹ f :Sulfated ash ĲĀŶĒēā āĤŋĀōā

f) RĀĀĹ Ū8Ŷ ĲŌ Ŷy 60 gŋĀġ ĠDZŌĀē ĲĀŶōā jāzōā 2ŲŲ ZĀē :Loss on drying ZĒADZŌŋē ĀŌĀōā  
.ĥŋŋŋ50 dŋ ĲŶŌŪ ĀŌĀf Ū(Ēŋā 5mm ĠāĀē šŪ 0.6kpa d3 ĀĹĹ

Ōŋ 5 Ž ŪĠŷŋŲŲŲŲ ĠŲšāzŋ Ūĥ 0.05 āāŌĹ :Content of tetraenes ĠĀ3ĀĹĵā ŪāšĀōā ġĀē3āŋŋ dŋ ŶzŲā  
Ōŋ 50 BŪ Ōŋ 4 ZĀĊ ŪŌŋ 50 ōĀŌē ĹDzġ ōĀŪ3Ų R ózŋĤēĵā dŋ ĠēzĀō ĠēĤō 8ĀĹĹ ŪR ĀĒĒōzĀŶē ŌĒēŋ ŬāĤŋ dŋ  
B kĒĹKĳĀŋjā dŋ ŪĠŷŋŲŲŲ ĠŲšāzŋ Ūĥ 0.05 ĠŌĬĬĀ āāŌĹ ĠĒDZĀĵā Ōŋāā ŌDZŪ dŋ .(A ózŶŬ) R ózŋĤēĵā  
ĠŲšāzŋ ŪNystatin RS kĲĀĒēōā dŋ ŋŋ 25 dŋ ózŶŬ ŶŌŲf ĀĹ3 .(B ózŶŬ) ŌŬĀōā Āēē gāĤā dŋ ŶĀē RS  
250 ōĀŌē ĹDzġ ōĀŪ3Ų R ózŋĤēĵā dŋ ĠēzĀō ĠēĤō 8ĀĹĹ ŪR ĀĒĒōzĀŶē ŌĒēŋ ŬāĤŋ dŋ Ōŋ 25 Ž ŪĠŷŋŲŲŲŲŲ  
. (C ózŶŬ) R ózŋĤēĵā Ōŋ 50 BŪ Ōŋ 4 ZĀĀĬ ŪŌŋ

Āŋzŋŋ 282 ĠāĀē ĒēŌĲ ĠēĤ3Ū žāzŋŋ óāzūūē ĊŶ BŶ A ŌŋĀŬtŶō Ĺē1 ĠŋĀĀžē ĠŌŪ ōŶŶ dŋ ġĀŌĀŲōā āĀŌŶ  
Ōŋ 50 BŪ ZĀĀĤ R ĀĒĒōzĀŶē ŌĒēŋ ŬāĤŋ dŋ Ōŋ 5 dŋ Zŋŋ blank ĀĒĀĬ ózŶŬ yāĀŲŲēā ŪĀŋzŋŋ 304Ŷ  
.R ózŋĤēĵā Ōŋ 50 BŪ ŶĀŶŶ gĀŋ ZĀĀĬ ĊĀŋ Ōŋ 4 ŪR ózŋĤēĵā

F+1000(B<sub>1</sub>A<sub>2</sub>- :ĠēĀŲōā ĠŲŌē ĒŲŲ Ž dŋŶ kŲDZŶĵā ĀŲŌ ózŪē ĊŶ BŶ A ŌŋĀŬtŶō A<sub>1cm</sub><sup>1%</sup> ŋĬ ĀtŲōā ĀĒĒŬ  
ŪĀŋzŋŋ 304 ĠDZŶĵā Āŋzŋŋ 282 ĠDZŶĵā ózŪē ĠŌžŬĀĵā gāĤŶō A<sub>1cm</sub><sup>1%</sup> ōŋā ĬZ A<sub>2</sub>Ŷ A<sub>1</sub> ŶŪ ŪB<sub>2</sub>A<sub>1</sub>)/(C<sub>2</sub>B<sub>1</sub>-C<sub>1</sub>B<sub>2</sub>)

213  $\hat{U} \hat{A} \hat{Q} \hat{N} \hat{Z} \hat{Q} \hat{A} \hat{P}$  304  $\hat{G} \hat{D} \hat{Z} \hat{Z} \hat{T} \hat{A} \hat{S}$   $\hat{A} \hat{Q} \hat{N} \hat{Z} \hat{Q} \hat{A} \hat{P}$  282  $\hat{G} \hat{D} \hat{Z} \hat{Z} \hat{T} \hat{A}$   $\hat{O} \hat{Z} \hat{U} \hat{A}$  RS B  $\hat{K} \hat{E} \hat{K} \hat{I} \hat{Z} \hat{A} \hat{N} \hat{Q} \hat{J} \hat{A}$   $A_{1cm}^{1\%}$   $\hat{\theta} \hat{A} \hat{A}$   $\hat{A} \hat{Z}$  B2S B1  $\hat{U} \hat{B} \hat{A} \hat{Z} \hat{Q} \hat{A} \hat{A}$  213  
 $\hat{U} \hat{L}$  F $\hat{S}$   $\hat{U} \hat{B} \hat{A} \hat{Z} \hat{Q} \hat{A} \hat{A}$  213  $\hat{U} \hat{A} \hat{Q} \hat{N} \hat{Z} \hat{Q} \hat{A} \hat{P}$  304  $\hat{G} \hat{D} \hat{Z} \hat{Z} \hat{T} \hat{A} \hat{S}$   $\hat{A} \hat{Q} \hat{N} \hat{Z} \hat{Q} \hat{A} \hat{P}$  282  $\hat{G} \hat{D} \hat{Z} \hat{Z} \hat{T} \hat{A}$   $\hat{O} \hat{Z} \hat{U} \hat{A}$  RS  $\hat{K} \hat{E} \hat{K} \hat{I} \hat{Z} \hat{A} \hat{N} \hat{Q} \hat{J} \hat{A}$   $A_{1cm}^{1\%}$   $\hat{\theta} \hat{A} \hat{A}$   $\hat{A} \hat{Z}$  C<sub>2</sub>S C<sub>1</sub>  $\hat{U} \hat{B} \hat{A} \hat{Z} \hat{Q} \hat{A} \hat{A}$   
 $\hat{g} \hat{A} \hat{A} \hat{T} \hat{A}$   $\hat{Z}$   $\hat{G} \hat{A} \hat{Z} \hat{A} \hat{R} \hat{T} \hat{A}$   $\hat{U} \hat{A} \hat{A} \hat{S} \hat{A} \hat{A} \hat{A}$   $\hat{g} \hat{A} \hat{E} \hat{Z} \hat{A} \hat{A} \hat{\theta}$   $\hat{d} \hat{N}$   $\hat{P} \hat{Z} \hat{Q} \hat{+} \hat{A}$   $\hat{U} \hat{R} \hat{S}$  B  $\hat{K} \hat{E} \hat{K} \hat{I} \hat{Z} \hat{A} \hat{N} \hat{Q} \hat{J} \hat{A}$   $\hat{Z}$   $\hat{U} \hat{A} \hat{A} \hat{S} \hat{A} \hat{A} \hat{A}$   $\hat{g} \hat{A} \hat{E} \hat{Z} \hat{A} \hat{A} \hat{\theta}$   $\hat{C} \hat{A} \hat{Z}$   $\hat{d} \hat{Z} \hat{A} \hat{O} \hat{T} \hat{A}$   $\hat{P} \hat{Z} \hat{Q} \hat{+} \hat{A}$   
 $\hat{.} \hat{h} / \hat{\eta} \hat{I} \hat{\eta}$  150  $\hat{d} \hat{Z}$   $\hat{A} \hat{L} \hat{A} \hat{L}$   $\hat{F}$   $\hat{G} \hat{O} \hat{Z} \hat{H} \hat{A} \hat{T} \hat{A}$

$\hat{d} \hat{N}$   $\hat{G} \hat{E} \hat{Z} \hat{A} \hat{O}$   $\hat{G} \hat{E} \hat{T} \hat{O}$   $\hat{U} \hat{s} \hat{h} \hat{a} \hat{k} \hat{i} \hat{n} \hat{g}$   $\hat{P} \hat{R} \hat{I} \hat{A}$   $\hat{Z} \hat{\eta}$   $\hat{U} \hat{8} \hat{A} \hat{R} \hat{I} \hat{S}$  R  $\hat{A} \hat{E} \hat{N} \hat{A} \hat{N} \hat{Q} \hat{Z} \hat{Z}$   $\hat{O} \hat{E} \hat{J} \hat{E} \hat{N}$   $\hat{U} \hat{A} \hat{A} \hat{Q}$   $\hat{Z} \hat{\eta}$   $\hat{h}$  0.060  $\hat{d} \hat{H} \hat{U} \hat{E} \hat{L}$  :Assay  $\hat{G} \hat{E} \hat{L} \hat{A} \hat{O} \hat{T} \hat{A}$   
R  $\hat{A} \hat{E} \hat{N} \hat{A} \hat{N} \hat{Q} \hat{Z} \hat{Z}$   $\hat{O} \hat{E} \hat{J} \hat{E} \hat{N}$   $\hat{U} \hat{A} \hat{A} \hat{Q}$   $\hat{G} \hat{U} \hat{A} \hat{E} \hat{Z} \hat{A}$   $\hat{O} \hat{\eta}$  100  $\hat{B} \hat{U}$   $\hat{O} \hat{\eta}$  10  $\hat{Z} \hat{A} \hat{A} \hat{L}$   $\hat{Z}$   $\hat{.} \hat{O} \hat{\eta}$  100  $\hat{\theta} \hat{A} \hat{O} \hat{A}$   $\hat{L} \hat{D} \hat{Z} \hat{g}$   $\hat{\theta} \hat{A} \hat{U} \hat{Z} \hat{Q}$  R  $\hat{A} \hat{E} \hat{N} \hat{A} \hat{N} \hat{Q} \hat{Z} \hat{Z}$   $\hat{O} \hat{E} \hat{J} \hat{E} \hat{N}$   $\hat{U} \hat{A} \hat{A} \hat{Q}$   
"Microbiological assay of antibiotics  $\hat{G} \hat{A} \hat{Z} \hat{E} \hat{\Sigma} \hat{A}$   $\hat{g} \hat{A} \hat{A} \hat{I} \hat{R} \hat{T} \hat{A} \hat{V} \hat{O}$   $\hat{G} \hat{E} \hat{D} \hat{Z} \hat{Z} \hat{i} \hat{Z} \hat{E} \hat{S} \hat{A} \hat{O} \hat{T} \hat{A}$   $\hat{G} \hat{E} \hat{L} \hat{A} \hat{O} \hat{T} \hat{A}$ "  $\hat{J} \hat{A} \hat{Z} \hat{A} \hat{Z}$   $\hat{K} \hat{O}$   $\hat{G} \hat{Z} \hat{Z} \hat{O} \hat{Z} \hat{T} \hat{A}$   $\hat{G} \hat{E} \hat{L} \hat{A} \hat{O} \hat{T} \hat{A}$   $\hat{E} \hat{G} \hat{O} \hat{K} \hat{S}$   
(NCTC 10716 or ATCC 9763) *Saccharomyces cerevisiae*  $\hat{G} \hat{A} \hat{Z} \hat{E} \hat{Z} \hat{A}$   $\hat{\theta} \hat{A} \hat{K} \hat{O} \hat{E} \hat{O} \hat{A}$   $\hat{Y} \hat{A} \hat{A} \hat{Q} \hat{E} \hat{A}$   $\hat{U}$  (145  $\hat{G} \hat{H} \hat{A} \hat{O} \hat{A}$   $\hat{U} \hat{1}$   $\hat{A} \hat{E} \hat{Y} \hat{O} \hat{A}$ )  
 $\hat{U} \hat{10.5}$  (pH)  $\hat{\theta} \hat{A} \hat{L} \hat{A} \hat{A}$   $\hat{g} \hat{A} \hat{A}$   $\hat{G} \hat{E} \hat{O} \hat{Z}$   $\hat{g} \hat{A} \hat{A} \hat{E} \hat{W}$   $\hat{G} \hat{A} \hat{\theta} \hat{A} \hat{A}$   $\hat{U} \hat{6.1}$   $\hat{d} \hat{N}$   $\hat{U} \hat{A} \hat{A} \hat{E}$  (pH)  $\hat{\theta} \hat{A} \hat{L} \hat{A} \hat{A}$   $\hat{B} \hat{A}$   $\hat{C} \hat{m} \hat{3}$   $\hat{t} \hat{\theta} \hat{A}$   $\hat{U} \hat{E} \hat{S}$   $\hat{U} \hat{\theta} \hat{A} \hat{Q} \hat{n} \hat{F} \hat{A}$   $\hat{U} \hat{g}$   $\hat{d} \hat{A} \hat{I} \hat{O} \hat{O}$   
 $\hat{g} \hat{\theta} \hat{A} \hat{A} \hat{g}$   $\hat{G} \hat{D} \hat{Z} \hat{\theta} \hat{A} \hat{E}$   $\hat{d} \hat{R} \hat{H} \hat{U} \hat{I} \hat{S}$   $\hat{U}$  ( $\hat{O} \hat{\eta} / \hat{Y} \hat{A} \hat{A} \hat{Q} \hat{S} \hat{A} \hat{O} \hat{\eta}$  10.0S 0.5  $\hat{K} \hat{A}$   $\hat{g} \hat{A} \hat{A} \hat{Z}$ ) B  $\hat{K} \hat{E} \hat{M} \hat{K} \hat{I} \hat{Z} \hat{A} \hat{N} \hat{Q} \hat{J} \hat{A}$   $\hat{d} \hat{N}$   $\hat{A} \hat{E} \hat{E} \hat{A} \hat{N}$   $\hat{A} \hat{E} \hat{O} \hat{A} \hat{Q} \hat{A}$   $\hat{O} \hat{Z} \hat{Y} \hat{T} \hat{S}$   $\hat{U} \hat{T} \hat{S} \hat{1}$   
( $P=0.95$ )  $\hat{g} \hat{\theta} \hat{A} \hat{E} \hat{O} \hat{T} \hat{A}$   $\hat{G} \hat{E} \hat{Y} \hat{Z} \hat{A} \hat{A} \hat{Y} \hat{O}$   $\hat{U} \hat{U} \hat{A} \hat{V} \hat{O}$  fiducial limits  $\hat{g} \hat{A} \hat{E} \hat{T} \hat{Q} \hat{H} \hat{T} \hat{A}$   $\hat{A} \hat{S} \hat{A} \hat{S} \hat{A}$   $\hat{A} \hat{T} \hat{T} \hat{Z}$   $\hat{J} \hat{Z} \hat{O} \hat{K}$   $\hat{F}$   $\hat{J} \hat{U}$   $\hat{U} \hat{L}$   $\hat{G} \hat{E} \hat{M} \hat{O} \hat{T} \hat{A}$   $\hat{G} \hat{E} \hat{A}$   $\hat{.} \hat{y}$  33-29  $\hat{K} \hat{A}$   
 $\hat{U} \hat{U} \hat{A} \hat{V} \hat{O}$   $\hat{B} \hat{Z} \hat{Y} \hat{H} \hat{O} \hat{A}$   $\hat{A} \hat{E} \hat{T} \hat{Q} \hat{H} \hat{T} \hat{A}$   $\hat{A} \hat{E} \hat{\Sigma} \hat{A}$   $\hat{J} \hat{Z} \hat{O} \hat{A}$   $\hat{F}$   $\hat{J} \hat{I} \hat{S}$   $\hat{.} \hat{g} \hat{\theta} \hat{A} \hat{E} \hat{O} \hat{T} \hat{A}$   $\hat{G} \hat{E} \hat{Y} \hat{Z} \hat{A} \hat{A} \hat{O} \hat{A}$   $\hat{d} \hat{N}$  %105  $\hat{d} \hat{N}$   $\hat{A} \hat{J} \hat{O} \hat{U}$   $\hat{F} \hat{S} \%95$   $\hat{d} \hat{N}$   $\hat{O} \hat{E} \hat{U}$  estimated potency  
 $\hat{.} \hat{G} \hat{A} \hat{A} \hat{O} \hat{A}$   $\hat{g} \hat{A} \hat{A} \hat{T} \hat{A}$   $\hat{B} \hat{U}$   $\hat{t} \hat{Z} \hat{D} \hat{Z} \hat{A} \hat{O} \hat{A} \hat{A}$   $\hat{G} \hat{A} \hat{Z} \hat{E} \hat{T}$   $\hat{U} \hat{\eta} \hat{I} \hat{\eta} / \hat{Y} \hat{A} \hat{A} \hat{Q} \hat{S} \hat{A} \hat{O} \hat{\eta}$  750  $\hat{d} \hat{N}$   $\hat{O} \hat{E} \hat{U}$  ( $P=0.95$ )  $\hat{g} \hat{\theta} \hat{A} \hat{E} \hat{O} \hat{T} \hat{A}$   $\hat{G} \hat{E} \hat{Y} \hat{Z} \hat{A} \hat{A} \hat{Y} \hat{O}$

$\hat{I} \hat{\theta} \hat{A} \hat{s} \hat{\theta} \hat{M} \hat{E}$   $\hat{u} \hat{F} \hat{D} \hat{Z} \hat{Y} \hat{f} \hat{z} \hat{u} \hat{I} \hat{I}$   $\hat{\eta} \hat{Y} \hat{D} \hat{Z} \hat{I} \hat{E}$  B  $\hat{D} \hat{Z} \hat{i} \hat{z} \hat{i} \hat{P} \hat{H} \hat{N} \hat{j} \hat{2} \hat{D} \hat{Z} \hat{U} \hat{E}$   $\hat{u} \hat{W} \hat{U}$   $\hat{h} \hat{U} \hat{Z} \hat{F} \hat{T} \hat{A}$   $\hat{L} \hat{F} \hat{G} \hat{+} \hat{U} \hat{F} \hat{D} \hat{Z}$

#### Additional require ments for Amphotericin B for Parenteral use

(56  $\hat{G} \hat{H} \hat{A} \hat{O} \hat{A}$   $\hat{U} \hat{4}$   $\hat{A} \hat{E} \hat{Y} \hat{O} \hat{A}$   $\hat{A} \hat{T} \hat{Q} \hat{A}$ ) "Parenteral preparations  $\hat{G} \hat{E} \hat{L} \hat{A} \hat{O} \hat{\Sigma} \hat{A}$   $\hat{g} \hat{A} \hat{A} \hat{I} \hat{R} \hat{H} \hat{U} \hat{Q} \hat{E} \hat{T} \hat{A}$  "  $\hat{\theta} \hat{A}$   $\hat{G} \hat{O} \hat{A} \hat{I} \hat{A}$   $\hat{g} \hat{A} \hat{S} \hat{A} \hat{Z} \hat{g} \hat{A}$   $\hat{B} \hat{U}$   $\hat{A} \hat{E} \hat{D} \hat{Z} \hat{Q} \hat{E} \hat{L}$

$\hat{.} \hat{h} / \hat{\eta} \hat{I} \hat{\eta}$  5.0  $\hat{d} \hat{Z}$   $\hat{A} \hat{L} \hat{A} \hat{L}$   $\hat{F}$  :Sulfated ash  $\hat{K} \hat{A} \hat{Y} \hat{E} \hat{T} \hat{A}$   $\hat{A} \hat{A} \hat{N} \hat{A} \hat{O} \hat{A}$

$\hat{.} \hat{h} / \hat{\eta} \hat{I} \hat{\eta}$  100  $\hat{d} \hat{Z}$   $\hat{A} \hat{L} \hat{A} \hat{L}$   $\hat{F}$  :Content of tetraenes  $\hat{G} \hat{A} \hat{Z} \hat{A} \hat{R} \hat{T} \hat{A}$   $\hat{U} \hat{A} \hat{A} \hat{S} \hat{A} \hat{O} \hat{A}$   $\hat{g} \hat{A} \hat{E} \hat{Z} \hat{A} \hat{A} \hat{\theta}$   $\hat{d} \hat{N}$   $\hat{P} \hat{Z} \hat{Q} \hat{+} \hat{A}$

$\hat{O} \hat{D} \hat{Z} \hat{j}$   $\hat{\theta} \hat{A} \hat{Q} \hat{n} \hat{F} \hat{A}$ "  $\hat{J} \hat{A} \hat{Z} \hat{A} \hat{Z}$   $\hat{K} \hat{O}$   $\hat{8} \hat{Z} \hat{O} \hat{Z} \hat{T} \hat{A}$   $\hat{\theta} \hat{A} \hat{Q} \hat{n} \hat{F} \hat{A}$   $\hat{E} \hat{G} \hat{O} \hat{U}$  :Bacterial endotoxins  $\hat{G} \hat{E} \hat{N} \hat{Z} \hat{Q} \hat{A} \hat{Z} \hat{A}$   $\hat{G} \hat{E} \hat{Y} \hat{n} \hat{A} \hat{A} \hat{E} \hat{O} \hat{A}$   $\hat{g} \hat{A} \hat{Q} \hat{A} \hat{A} \hat{M} \hat{O} \hat{A}$   
 $\hat{d} \hat{N}$   $\hat{A} \hat{J} \hat{O} \hat{U}$   $\hat{B} \hat{Z} \hat{Q} \hat{Z}$   $\hat{F}$   $\hat{U}$  ( $\hat{G} \hat{A} \hat{A} \hat{E} \hat{Y} \hat{O} \hat{Q} \hat{A}$   $\hat{G} \hat{H} \hat{G} \hat{O} \hat{A}$   $\hat{Z}$  30  $\hat{G} \hat{H} \hat{A} \hat{O} \hat{A}$   $\hat{U} \hat{5}$   $\hat{A} \hat{E} \hat{Y} \hat{O} \hat{A}$ ) "Test for bacterial endotoxins  $\hat{G} \hat{E} \hat{Y} \hat{n} \hat{A} \hat{A} \hat{E} \hat{O} \hat{A}$   $\hat{g} \hat{A} \hat{Q} \hat{A} \hat{A} \hat{M} \hat{O} \hat{A}$   
 $\hat{.} \hat{\eta} \hat{I} \hat{\eta}$  1  $\hat{O} \hat{O}$   $\hat{Z}$  RS  $\hat{U} \hat{Y} \hat{n} \hat{A} \hat{A} \hat{E} \hat{O} \hat{A}$   $\hat{J}$   $\hat{A} \hat{A} \hat{M} \hat{O} \hat{A}$   $\hat{d} \hat{N}$   $\hat{G} \hat{E} \hat{\theta} \hat{S} \hat{A}$   $\hat{g} \hat{A} \hat{E} \hat{g} \hat{S}$  0.9

### ARGENTI NITRAS

Silver nitrate  $\hat{h} \hat{U} \hat{T} \hat{2} \hat{I} \hat{E}$   $\hat{L} \hat{E} \hat{F} \hat{E} \hat{A}$

$\hat{A} \hat{g} \hat{N} \hat{O} \hat{3}$  : Molecular formula  $\hat{G} \hat{E} \hat{A} \hat{A} \hat{Z} \hat{A}$   $\hat{G} \hat{\theta} \hat{E} \hat{O} \hat{A}$

169.9 :Relative molecular mass  $\hat{G} \hat{E} \hat{G} \hat{E} \hat{A} \hat{O} \hat{A}$   $\hat{G} \hat{E} \hat{A} \hat{A} \hat{Z} \hat{A}$   $\hat{G} \hat{Y} \hat{Q} \hat{O} \hat{A}$







. $\dot{O}z\hat{R}\ddot{o}\ddot{a}$   $\dot{d}n$   $\check{G}e\check{t}\check{T}$   $\hat{U}\check{M}\acute{A}E\check{D}Z$   $\check{G}\ddot{O}Y\delta n$   $\check{G}\acute{A}\acute{S}\acute{A}g$   $\check{Z}$   $\dot{d}n\check{A}\check{a}z\check{E}\check{q}\check{a}\check{a}\check{e}\check{a}$   $\check{S}\acute{A}g$   $\check{A}Ez$  :Storage  $\dot{d}n\check{A}\check{A}\check{Q}\ddot{o}\ddot{a}$   
 $\check{G}\acute{A}z\check{O}\ddot{o}\ddot{a}$   $\check{G}\acute{A}z\check{Y}\check{O}\ddot{o}\ddot{a}$   $\check{g}\check{a}\acute{A}E\check{E}\check{D}\check{S}\acute{o}\acute{A}E\check{T}\check{a}$   $\check{O}\check{E}\acute{o}\check{A}\check{T}$   $\check{Z}$   $\dot{d}n\check{A}\check{a}z\check{E}\check{q}\check{a}\check{a}\check{e}\check{a}$   $\check{O}\check{O}\acute{A}Q\check{A}$  :Additional informations  $\check{G}Ez\acute{A}\check{r}\check{U}$   $\check{g}\check{A}n\check{Z}\check{Y}\check{H}n$   
 $\acute{a}\acute{A}\check{I}n\check{Q}\check{e}\check{a}\check{S}$   $\acute{A}Y\check{e}\check{a}$   $3n$   $\acute{a}\acute{A}\check{t}\check{Q}\ddot{o}\ddot{a}$   $\acute{A}E\check{I}\theta\check{S}$   $\hat{U}\dot{d}n\check{A}\check{a}z\check{E}\check{q}\check{a}\check{a}\check{e}\check{a}$   $3n$   $B\acute{A}l\check{j}\check{A}\check{a}$   $\check{O}n\acute{A}\check{H}\check{Q}\ddot{o}\ddot{a}$   $\check{P}\acute{A}\check{O}$   $\check{G}\acute{A}\acute{A}\check{H}\check{O}\ddot{o}\ddot{a}\check{S}$   $\acute{o}\acute{O}\Sigma\check{a}$   $\check{U}n\check{Z}k$   $\check{A}Ez$  : $\check{A}\check{M}\acute{O}\acute{O}$   
 $\dot{d}\check{a}z\check{T}\check{A}\check{a}$   $\check{G}\acute{o}z\check{O}\acute{A}\check{t}\check{a}$   $\check{g}\check{A}\check{t}\check{E}\check{E}z\check{a}$

# REQUIREMENTS $K\check{C}h\check{u}\check{I}\check{O}S\check{K}d\check{Z}!f$

%101.5  $\dot{d}3$   $\acute{A}E\acute{A}\acute{A}$   $\check{r}\check{S}$  %98  $\dot{d}3$   $\check{O}\check{O}\check{A}$   $\check{r}\acute{A}n$   $\check{r}\check{Y}3$   $\dot{d}n\check{A}\check{a}z\check{E}\check{q}\check{a}\check{a}\check{e}\check{a}$   $Bz\check{Q}3$  :General requirement  $\check{y}\acute{A}\check{H}\check{O}\ddot{o}\ddot{a}$   $\acute{A}E\check{Y}\check{U}\check{Q}\check{t}\check{H}\check{a}$   
 $\check{G}\acute{A}\acute{A}\check{O}\check{a}$   $g\acute{a}\acute{A}\check{t}\check{a}$   $B\check{U}$   $\check{t}\check{z}DZ\acute{A}\check{O}\check{A}\check{a}$   $\check{G}\check{a}z\check{E}\check{T}$   $\check{U}C_9H_7N_7O_2S$   $\dot{d}n$

## :Identity tests $\check{G}\acute{A}z\check{T}\check{a}$ $\check{g}\check{a}\acute{O}A\check{Q}\check{O}n\check{a}$

. $C\check{S}$   $B$   $J\check{a}\acute{O}A\check{Q}\check{O}n\check{r}\check{a}$   $\check{S}\check{U}$   $g\acute{A}\acute{A}n$   $A$   $\acute{O}A\check{Q}\check{O}n\check{r}\check{a}$   $\acute{A}n\check{U}$   $\check{E}\check{C}\check{U}\check{I}$   $J\check{U}$   $\dot{d}O\check{Z}$   
 $\acute{o}\check{a}\acute{A}\check{t}\check{\Sigma}\check{a}$   $\check{K}\check{O}$   $\check{G}\check{H}\check{i}\check{j}\check{a}$   $\check{G}\check{O}\check{U}\check{A}n$   $\check{Z}$   $\check{U}z\check{R}\check{O}\check{a}$   $Z\check{E}\check{U}\check{O}\check{a}$   $\acute{a}\acute{A}\check{e}\check{S}$  "  $J\check{a}z\check{A}3$   $\check{K}\check{O}$   $\delta z\check{O}z\check{t}\check{a}$   $\check{O}\check{H}\check{U}\check{O}\check{a}$   $\check{E}\check{C}\check{U}\check{I}$  :A  
 $\dot{d}n$   $\check{E}\check{Y}3$   $\check{O}\check{O}\check{H}\check{U}\check{Q}\check{E}\check{t}\check{a}$   $Z\check{E}\check{U}\check{O}\check{a}$   $3n$   $\acute{o}\check{a}\acute{A}\check{t}\check{\Sigma}\check{a}$   $\check{K}\check{O}$   $\check{G}\check{H}\check{i}\check{j}\check{a}$   $\check{Z}$   $\acute{A}\check{O}\check{Q}n\check{r}\check{a}$   $Z\check{E}\check{U}$   $\check{E}\check{a}\acute{A}\check{C}\check{U}\check{Q}\check{A}$   
 $\dot{d}n\check{A}\check{a}z\check{E}\check{q}\check{a}\check{a}\check{e}\check{a}$   $J\check{O}$  reference spectrum  $\check{U}\check{H}DZ\acute{A}\check{t}\check{a}$

$\check{G}\check{E}\check{E}\check{E}\check{a}\check{O}\check{a}$   $\check{G}\check{H}\check{O}\check{G}\check{O}\check{a}$   $\check{E}z\check{A}z\check{Q}k$  ."Substances Related  $\check{G}\check{O}\acute{A}\check{I}\check{t}\check{a}$   $\acute{a}\acute{a}z\check{t}\check{a}$ "  $J\check{a}z\check{A}3$   $\check{K}\check{O}$   $\check{M}\check{O}g\check{r}$   $\delta z\check{O}z\check{t}\check{a}$   $\acute{O}A\check{Q}\check{O}n\check{r}\check{a}$   $\acute{A}\check{T}\check{Q}\check{a}$  :B  
 $\dot{d}n$   $\acute{A}\check{T}\check{E}\check{Y}3$   $\check{O}\check{O}\check{H}\check{U}\check{Q}\check{E}\check{t}\check{a}$   $\check{O}\check{V}k$   $3n$   $g\acute{A}\acute{E}\check{I}\check{O}\check{a}\check{S}$   $\acute{A}\check{T}\check{T}\check{t}\check{a}\check{S}$   $3\check{e}z\check{t}\check{a}$   $\check{Z}$   $B$   $\acute{o}z\check{Y}+\check{a}$   $\dot{d}n$   $\acute{A}\check{T}\check{E}\check{Y}3$   $\check{O}\check{O}\check{H}\check{U}\check{Q}\check{E}\check{t}\check{a}$   
 $\check{O}n$   $5$   $B\check{U}$   $TS$  ( $\acute{o}/\check{h}$  420~)  $\check{O}\check{I}\acute{o}z\check{Y}\check{D}\check{S}\acute{o}\acute{A}E\check{T}\check{a}$   $\check{R}\check{E}\check{p}$   $\dot{d}n$   $\check{O}n$   $1$   $8\acute{A}\check{R}\check{I}$  . $\check{G}\check{i}\check{A}\check{S}$   $\acute{o}\check{A}n$   $\check{O}n$   $100$   $3n$   $n\check{i}n$   $20$   $\dot{d}\acute{A}\check{E}\check{I}$  :C  
 $\check{Z}$   $\acute{a}\check{E}\check{I}$   $\acute{U}\check{G}\check{i}\check{A}\check{A}$  . $\check{A}\check{A}\check{O}\check{U}$   $J\check{z}\check{Y}\check{a}$   $\acute{o}z\check{Y}+\check{a}$   $\check{G}\check{O}\check{A}$   $\acute{U}\check{E}\check{a}\check{A}\check{e}\acute{a}$   $5$   $\acute{o}\check{a}\check{A}\check{O}\check{V}\check{E}\check{Y}\check{O}$   $\check{O}\check{A}\check{Q}\check{A}\check{S}$   $\acute{U}R$   $\acute{o}\check{A}\check{E}k\check{z}\check{Q}\check{O}\check{a}$   $\acute{a}z\check{H}\check{U}\check{E}n$   $\dot{d}n$   $n\check{i}n$   $10\check{S}$   $\acute{U}\check{G}\check{g}\acute{A}\check{i}\check{A}\check{O}\check{a}$   $\dot{d}n$   
 $\acute{U}Sulfamic\ acid$   $R$   $\check{O}\check{E}n\check{A}\check{A}\check{Y}\check{E}\check{O}\check{a}$   $\check{R}\check{E}\check{p}$   $\dot{d}n$   $\check{h}$   $0.1\check{S}$   $TS$  ( $\acute{o}/\check{h}$  100)  $\check{y}z\check{A}\acute{A}z\check{O}\check{O}\check{a}$   $\check{K}\check{A}\check{Q}\check{Q}$   $\acute{o}z\check{Y}\check{T}$   $\dot{d}n$   $\check{O}n$   $0.1$   $8\acute{A}\check{R}\check{A}$   $\acute{U}\check{J}\check{Y}\check{O}\check{a}$   
 $\check{U}\check{V}\acute{A}n\check{A}\check{e}$  - $\acute{A}\check{p}\check{U}$   $J\check{z}\check{Y}\check{a}$   $\check{G}\check{a}\acute{A}\check{e}\check{b}$   $\check{J}\check{Q}k$   $\check{U}2$ -naphthol  $TS1$   $\acute{o}z\check{Y}\check{T}$   $\dot{d}n$   $\check{O}n$   $1$   $8\acute{A}\check{R}\check{I}$  . $\check{g}\check{A}3\acute{A}\check{O}\check{A}\check{O}\check{a}$   $\check{r}\check{i}\check{Y}\check{Q}k$   $\check{r}\check{o}\check{Q}g$   $\check{R}\acute{A}\check{S}$   
 $\check{K}\check{E}\check{A}\check{a}$

## . $\check{h}/n\check{i}n$ 1.0 $\dot{d}3$ $\acute{A}E\acute{A}\acute{A}$ $\check{r}$ :Sulfated ash $\check{K}\acute{A}\check{Y}\check{E}\check{t}\check{a}$ $\acute{a}\acute{A}n\check{A}\check{O}\check{a}$

$\check{G}\check{a}\acute{A}\check{e}$   $\check{S}\check{U}$  0.6 kpa  $\dot{d}3$   $\acute{A}E\acute{A}\acute{A}$   $\check{r}$ )  $\check{R}\acute{A}\acute{A}n$   $\check{U}8\check{r}$   $\check{K}\check{O}$   $\check{o}\check{y}$  105  $\check{G}DZ\acute{o}\acute{A}\check{O}\check{A}\check{a}$   $Z\acute{A}Dz\check{A}$  :Loss on drying  $Z\check{E}\acute{A}Dz\check{Q}\check{O}\check{A}\check{a}$   $\acute{A}\check{E}\acute{O}\check{A}\check{O}\check{a}$   
 $\check{h}/n\check{i}n$  10  $\dot{d}n$   $\acute{A}\check{J}\check{O}\check{U}$   $\acute{A}\check{E}\acute{O}\check{A}\check{A}$   $\check{r}$   $\acute{U}$   $\check{g}\check{A}3\acute{A}\check{e}$   $5$   $g\acute{A}n$  ( $\check{E}\check{G}\check{a}\check{A}$   $n\check{i}n$   $5$

$B\check{U}$   $8\acute{A}\check{R}\check{A}$   $\acute{U}\check{G}\check{i}\check{A}\check{A}\check{S}$   $\acute{U}\check{C}\check{O}\check{E}\acute{a}$   $15$   $g\acute{A}n$   $\acute{o}\check{A}n$   $\check{O}n$   $25$   $3n$   $\check{h}$   $0.5$   $\check{r}\check{R}\acute{A}\check{I}$  :Acidity of alkalinity  $\check{G}\acute{A}z\check{Y}\check{O}\ddot{o}\ddot{a}$   $\check{S}\check{U}$   $\check{G}\check{r}\check{z}\check{t}\check{\Sigma}\check{a}$   
 $\check{R}\check{E}\check{p}$   $\acute{o}z\check{Y}\check{T}$   $\dot{d}n$   $\check{O}n$   $0.10$   $\dot{d}n$   $\acute{A}\check{J}\check{O}\check{U}$   $\check{y}\acute{A}\check{V}\check{A}$   $\check{r}$   $\acute{U}TS$   $\acute{o}z\check{Y}\check{A}\check{Z}\check{A}\check{U}/\check{O}\check{V}\check{E}\check{t}\check{a}$   $g\acute{A}\check{p}$   $\acute{o}z\check{Y}\check{T}$   $\dot{d}n$   $\check{O}n$   $0.15$   $\check{G}\check{g}\acute{A}\check{i}\check{A}\check{O}\check{a}$   $\dot{d}n$   $\check{O}n$   $20$   
 $\check{r}\check{Y}3$   $\acute{o}z\check{O}\check{H}\check{V}\check{O}$  vs ( $\acute{o}/\acute{o}z\check{A}$  0.02  $\check{y}z\check{A}\acute{A}z\check{O}\check{O}\check{a}$   $\acute{A}\check{E}\check{E}\check{D}\check{S}\acute{o}\acute{A}E\check{E}$   $\acute{o}z\check{Y}\check{T}$   $\dot{d}n$   $\check{O}n$   $0.10$   $\check{S}\check{U}$  vs ( $\acute{o}/\acute{o}z\check{A}$  0.02)  $\check{O}\check{I}\acute{o}z\check{Y}\check{D}\check{S}\acute{o}\acute{A}E\check{T}\check{a}$







## BACITRACINUM ZINCUM

Bacitracin Zinc *პრეპარატი*

(non-injectable *ძვთი უცხე* *პრეპარატი*) *პრეპარატი*

Sterile *სტერილიზებული* *პრეპარატი*

ზოგადი და ჯგერითი ინფექციების მკურნალობისათვის გამოიყენება. **Composition** *აქტიური*  
B<sub>1</sub> A<sub>1</sub> *უცხე* *Bacillus subtilis* *გამადასრულებელი* *Bacillus subtilis* *გამადასრულებელი* *licheniformis* *აქტიური* და *ფორმა*  
.CAS Reg. No. 1405-89-6 .B2S

გამადასრულებელი და *Bacillus subtilis* *გამადასრულებელი* *Bacillus subtilis* *გამადასრულებელი* *licheniformis* *აქტიური* და *ფორმა*  
.CAS Reg. No. 1405-89-6 .B2S

გამადასრულებელი და *Bacillus subtilis* *გამადასრულებელი* *Bacillus subtilis* *გამადასრულებელი* *licheniformis* *აქტიური* და *ფორმა*  
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გამადასრულებელი და *Bacillus subtilis* *გამადასრულებელი* *Bacillus subtilis* *გამადასრულებელი* *licheniformis* *აქტიური* და *ფორმა*  
.CAS Reg. No. 1405-89-6 .B2S

გამადასრულებელი და *Bacillus subtilis* *გამადასრულებელი* *Bacillus subtilis* *გამადასრულებელი* *licheniformis* *აქტიური* და *ფორმა*  
.CAS Reg. No. 1405-89-6 .B2S

გამადასრულებელი და *Bacillus subtilis* *გამადასრულებელი* *Bacillus subtilis* *გამადასრულებელი* *licheniformis* *აქტიური* და *ფორმა*  
.CAS Reg. No. 1405-89-6 .B2S

გამადასრულებელი და *Bacillus subtilis* *გამადასრულებელი* *Bacillus subtilis* *გამადასრულებელი* *licheniformis* *აქტიური* და *ფორმა*  
.CAS Reg. No. 1405-89-6 .B2S

1. **Preparation of the test solution** (C) 1.0 g of the sample is dissolved in 100 ml of a solution containing 1.0 g of pyridine and 1.0 g of butanol in 100 ml of water. The solution is then filtered and the filtrate is used for the test.

2. **Test procedure** 1.0 ml of the test solution is added to 1.0 ml of a 1% solution of 2,4-dinitrophenylhydrazine in 10% acetic acid. The mixture is allowed to stand for 5 minutes and then the color is compared with a standard.

3. **Results** The color of the test solution should be compared with the color of the standard. The color of the test solution should be a pale yellow. The color of the standard should be a pale yellow.

4. **Interpretation** The color of the test solution should be compared with the color of the standard. The color of the test solution should be a pale yellow. The color of the standard should be a pale yellow.

5. **Notes** The color of the test solution should be compared with the color of the standard. The color of the test solution should be a pale yellow. The color of the standard should be a pale yellow.

6. **References** The color of the test solution should be compared with the color of the standard. The color of the test solution should be a pale yellow. The color of the standard should be a pale yellow.

$\hat{A}\Sigma\hat{\imath}$  JZ $\hat{O}\hat{\imath}$  F J $\hat{\imath}$ s .g $\hat{o}$ A $\hat{O}$ t $\hat{\imath}$  G $\hat{e}$ F $\hat{O}$ a $\hat{\imath}$  d $\hat{n}$  %105 d $\hat{n}$  A $\hat{j}$  $\hat{O}$  $\hat{\imath}$  F $\hat{s}$  %95 d $\hat{n}$   $\hat{O}$ e $\hat{l}$ i estimated potency ( $P=0.95$ ) g $\hat{o}$ A $\hat{O}$ t $\hat{\imath}$  G $\hat{e}$ Z $\hat{E}$ T $\hat{\imath}$  U $\hat{n}$  $\hat{i}$ n 1  $\hat{O}$  $\hat{d}$  Z k $\hat{e}$  $\hat{a}$ Q $\hat{F}$  $\hat{e}$  $\hat{A}$ G $\hat{o}$ a $\hat{\imath}$  d $\hat{n}$  G $\hat{H}$ s $\hat{a}$  g $\hat{A}$ g $\hat{s}$  55 d $\hat{n}$   $\hat{O}$ e $\hat{l}$ i ( $P=0.95$ ) g $\hat{o}$ A $\hat{O}$ t $\hat{\imath}$  G $\hat{E}$ I $\hat{z}$ A $\hat{V}$  $\hat{o}$  u $\hat{U}$ A $\hat{Y}$  $\hat{o}$  B $\hat{z}$  $\hat{Y}$ H $\hat{o}$ a $\hat{\imath}$  A $\hat{t}$ .O $\hat{H}$ t $\hat{\imath}$  .GAA $\hat{O}$  $\hat{a}$  g $\hat{a}$ A $\hat{t}$  $\hat{\imath}$  D $\hat{U}$  t $\hat{z}$ DZA $\hat{o}$ L $\hat{a}$

!İsyıŒ pđŒRıŒ Džı zεƒıŒ zFG üwÜ hıŒTı lFG†UıDŽ

### Additional Requirements for Sterile Bacitracin Zinc

JĀΞξ ŪōƷŔōā dn ĠŌŦ ŪōīƷŦā lƷQō ŪēYdĭ ĠŌY8n Ġſſáġ Ž ŌŷŌā kēāŌŷēīā Śáġ Ēz :Storage dĀĀŌā  
 .°̄ 25 d3 ÉĀĀĳ r gōāġ ĠDŌĒā

Sterility testing of  $\text{G}\lambda\text{E}\Sigma\tilde{\text{a}}$   $\tilde{\text{g}}\tilde{\text{a}}\tilde{\text{A}}\tilde{\text{R}}\tilde{\text{t}}\tilde{\text{v}}\tilde{\text{o}}$   $\tilde{\text{C}}\tilde{\text{n}}\tilde{\text{A}}\tilde{\text{O}}\tilde{\text{H}}\tilde{\text{o}}\tilde{\text{a}}$   $\tilde{\text{g}}\tilde{\text{o}}\tilde{\text{A}}\tilde{\text{Q}}\tilde{\text{n}}\tilde{\text{a}}$  "  $\text{j}\tilde{\text{a}}\tilde{\text{z}}\tilde{\text{A}}\tilde{\text{z}}$   $\tilde{\text{K}}\tilde{\text{O}}$   $\tilde{\text{a}}\tilde{\text{o}}\tilde{\text{s}}$   $\tilde{\text{A}}\tilde{\text{t}}$   $\tilde{\text{A}}\tilde{\text{E}}\tilde{\text{D}}\tilde{\text{z}}\tilde{\text{Q}}\tilde{\text{E}}\tilde{\text{h}}$  :Sterility  $\tilde{\text{C}}\tilde{\text{n}}\tilde{\text{A}}\tilde{\text{O}}\tilde{\text{H}}\tilde{\text{o}}\tilde{\text{a}}$   
 $\text{J}\tilde{\text{z}}\tilde{\text{Q}}\tilde{\text{G}}\tilde{\text{o}}\tilde{\text{a}}$   $\tilde{\text{o}}\tilde{\text{z}}\tilde{\text{Y}}\tilde{\text{T}}$   $\tilde{\text{Z}}$   $\tilde{\text{o}}\tilde{\text{A}}\tilde{\text{Q}}\tilde{\text{n}}\tilde{\text{r}}\tilde{\text{a}}$   $\tilde{\text{g}}\tilde{\text{a}}\tilde{\text{A}}\tilde{\text{n}}$   $\tilde{\text{a}}\tilde{\text{A}}\tilde{\text{O}}\tilde{\text{H}}$   $\tilde{\text{o}}\tilde{\text{A}}\tilde{\text{I}}\tilde{\text{8}}\tilde{\text{a}}\tilde{\text{h}}$   $\tilde{\text{G}}\tilde{\text{E}}\tilde{\text{A}}\tilde{\text{A}}\tilde{\text{Q}}\tilde{\text{o}}\tilde{\text{a}}$   $\tilde{\text{o}}\tilde{\text{A}}\tilde{\text{Q}}\tilde{\text{n}}\tilde{\text{a}}$   $\tilde{\text{g}}\tilde{\text{o}}\tilde{\text{a}}\tilde{\text{A}}\tilde{\text{D}}\tilde{\text{z}}$   $\tilde{\text{E}}\tilde{\text{E}}\tilde{\text{Q}}\tilde{\text{U}}\tilde{\text{e}}$   $\tilde{\text{U}}$ (162  $\tilde{\text{G}}\tilde{\text{H}}\tilde{\text{A}}\tilde{\text{O}}\tilde{\text{H}}\tilde{\text{o}}\tilde{\text{a}}$   $\tilde{\text{U}}\tilde{\text{I}}\tilde{\text{A}}\tilde{\text{Y}}\tilde{\text{O}}\tilde{\text{a}}$ ) "antibiotics  
 $\tilde{\text{O}}\tilde{\text{G}}\tilde{\text{e}}$   $\tilde{\text{d}}\tilde{\text{n}}$   $\tilde{\text{r}}$   $\tilde{\text{v}}\tilde{\text{z}}\tilde{\text{A}}\tilde{\text{z}}\tilde{\text{O}}\tilde{\text{H}}\tilde{\text{o}}\tilde{\text{a}}$   $\tilde{\text{G}}\tilde{\text{E}}\tilde{\text{A}}\tilde{\text{A}}\tilde{\text{o}}$   $\tilde{\text{g}}\tilde{\text{A}}\tilde{\text{O}}\tilde{\text{A}}\tilde{\text{A}}\tilde{\text{O}}$   $\tilde{\text{o}}\tilde{\text{z}}\tilde{\text{Y}}\tilde{\text{T}}$   $\tilde{\text{A}}\tilde{\text{T}}\tilde{\text{E}}\tilde{\text{O}}\tilde{\text{U}}$   $\tilde{\text{Z}}\tilde{\text{E}}\tilde{\text{r}}\tilde{\text{U}}$   $\tilde{\text{Y}}\tilde{\text{H}}\tilde{\text{o}}\tilde{\text{H}}\tilde{\text{o}}\tilde{\text{a}}$  TS1 ( $\tilde{\text{o}}\tilde{\text{h}}\tilde{\text{A}}$  1) Peptone

!İsyıE üFDžyFzúll nıyZİE pžRİE DžzEßHİzFG üWÜ hİžF T.a lFG+UHDž

### **Additional Requirements for Bacitracin Zinc for sterile use**

Test for sterility of non-  
 . "injectable preparations

Ø Ø Ø Ø Ø

## BARIUM SULFAS

**Barium sulfate** !NjİpFGİİE l F2# z

**BaSO<sub>4</sub> :Molecular formula**

**233.4 Relative molecular**

Barium sulfate (1:1);CAS Reg.No. 7727-43-7 :**Chemical name**  $\text{BaSO}_4$

.ĠHuaĀĀ CĀ3 Ügrittiness ĠĀĬ Ĭā ġĀGΣĭ dη ōĀñ ŪŌĒŌ ĬĒĒĒ ĬĬĬ Ĭ3Ĭ āzĤĒη :Description Z òzōā  
Žs ō ĀĬĬā Ž ĀĒDZ ĬĀsŌōā ĠĤĤ ŪĠazĤĤōā ġĀĠŌĬĬ Žs ōĬĬ Ž ĤĤĬ3 āāš Kđ :Solubility ĠĒĬāšŌōā  
.ĠazĬŌōā ġĀĒĒĒōšŌĒĒĒ ŌĒĒĒ

.radiocontrast ĠĤĭ ĵă î ĀŌŋă ĀĀġk óĀTşŮ Ůĕş :Category ĠĀĀăă

Additional information

**Identity tests**  $\text{h}^{\text{N}}\text{N}^{\text{N}}\text{N}^{\text{N}}\text{E} \text{ I } \text{E}^{\text{P}}\text{G}^{\text{H}}\text{Q}^{\text{E}}$

10  $\text{8}^{\text{A}}\text{R}^{\text{L}} \text{Z} \text{U}^{\text{E}}\text{a}^{\text{L}}\text{e}^{\text{A}} \text{5} \text{g}^{\text{A}}\text{N} \text{O}^{\text{N}} \text{O}^{\text{N}} \text{5} \text{Z} \text{G}^{\text{A}}\text{O}^{\text{H}} \text{R} \text{y}^{\text{Z}}\text{L}^{\text{A}}\text{Z}^{\text{O}}\text{O}^{\text{A}} \text{g}^{\text{A}}\text{p}^{\text{Z}}\text{A}^{\text{A}}\text{O}^{\text{D}} \text{D}^{\text{N}} \text{h} \text{5.0} \text{D}^{\text{N}} \text{O}^{\text{Z}}\text{Y}^{\text{T}} \text{Z} \text{h}^{\text{O}}.2 \text{Z}^{\text{Y}}\text{8}^{\text{A}} : \text{A}$   
 $\text{D}^{\text{N}} \text{O}^{\text{N}} \text{5} \text{B}^{\text{U}} \text{TS} (\text{o}^{\text{H}} \text{70} \sim) \text{O}^{\text{N}}\text{O}^{\text{Z}}\text{Y}^{\text{O}}\text{S}^{\text{O}}\text{A}^{\text{E}}\text{T}^{\text{A}} \text{R}^{\text{E}}\text{p} \text{D}^{\text{N}} \text{O}^{\text{N}} \text{5} \text{8}^{\text{A}}\text{R}^{\text{L}} .(\text{B} \text{O}^{\text{A}}\text{Q}^{\text{N}}\text{Y}^{\text{O}} \text{G}^{\text{A}}\text{I}^{\text{E}}\text{A}^{\text{O}}\text{O}^{\text{A}} \text{S}^{\text{A}}\text{H}^{\text{U}}\text{A}) \text{G}^{\text{I}}\text{A}^{\text{L}}\text{S} \text{O}^{\text{A}}\text{N} \text{O}^{\text{N}}$   
 General identification  $\text{G}^{\text{N}}\text{A}^{\text{H}}\text{O}^{\text{A}} \text{8}^{\text{A}}\text{H}^{\text{Q}}\text{E}^{\text{R}}\text{A} \text{g}^{\text{A}}\text{O}^{\text{A}}\text{Q}^{\text{N}}\text{A} \text{J}^{\text{A}}\text{Z}^{\text{A}}\text{3} \text{K}^{\text{O}} \text{8}^{\text{Z}}\text{O}^{\text{Z}}\text{A} \text{A} \text{O}^{\text{Z}}\text{A}^{\text{A}}\text{Q}^{\text{O}}\text{O}^{\text{A}} \text{O}^{\text{Z}}\text{Y}^{\text{A}} \text{A} \text{O}^{\text{L}} \text{U}^{\text{O}}\text{H}^{\text{A}} \text{U}^{\text{G}}\text{G}^{\text{A}}\text{I}^{\text{A}}\text{O}^{\text{O}}\text{A}$   
 $.(123 \text{G}^{\text{H}}\text{A}^{\text{O}}\text{O}^{\text{A}} \text{U}^{\text{I}}\text{A}^{\text{Y}}\text{O}^{\text{A}}) \text{g}^{\text{A}}\text{A}^{\text{Y}}\text{E}^{\text{Y}}\text{O} \text{A}^{\text{H}}\text{A} \text{O}^{\text{Z}}\text{A}^{\text{A}}\text{Q}^{\text{O}}\text{O}^{\text{A}} \text{"tests}$

$\text{R}^{\text{E}}\text{p} \text{D}^{\text{N}} \text{O}^{\text{N}} \text{5} \text{G}^{\text{A}}\text{t}^{\text{Z}}\text{O}^{\text{A}} \text{B}^{\text{U}} \text{8}^{\text{A}}\text{R}^{\text{L}}\text{S} .\text{O}^{\text{A}}\text{t}^{\text{A}} \text{D}^{\text{N}} \text{g}^{\text{K}}\text{8}^{\text{O}} \text{g}^{\text{A}}\text{t}^{\text{O}} \text{Q}^{\text{Y}}\text{Z}^{\text{A}} \text{A} \text{O}^{\text{A}}\text{Q}^{\text{N}}\text{R}^{\text{A}} \text{D}^{\text{N}} \text{G}^{\text{A}}\text{I}^{\text{E}}\text{A}^{\text{O}}\text{O}^{\text{A}} \text{O}^{\text{E}}\text{8}^{\text{L}} : \text{B}$   
 $\text{U}^{\text{G}}\text{G}^{\text{A}}\text{I}^{\text{A}}\text{O}^{\text{O}}\text{A} \text{B}^{\text{U}} \text{TS} (\text{o}^{\text{H}} \text{100} \sim) \text{O}^{\text{N}}\text{O}^{\text{Z}}\text{A}^{\text{Y}}\text{E}^{\text{O}}\text{O}^{\text{A}} \text{R}^{\text{E}}\text{p} \text{D}^{\text{N}} \text{O}^{\text{N}} \text{0.3} \text{8}^{\text{A}}\text{R}^{\text{L}}\text{S} \text{U}^{\text{G}}\text{I}^{\text{A}}\text{L} \text{U}^{\text{TS}} (\text{o}^{\text{H}} \text{70} \sim) \text{O}^{\text{N}}\text{O}^{\text{Z}}\text{Y}^{\text{O}}\text{S}^{\text{O}}\text{A}^{\text{E}}\text{T}^{\text{A}}$   
 $. \text{TS} (\text{o}^{\text{H}} \text{80} \sim) \text{y}^{\text{Z}}\text{L}^{\text{A}}\text{Z}^{\text{O}}\text{O}^{\text{A}} \text{A}^{\text{E}}\text{E}^{\text{O}}\text{S}^{\text{O}}\text{A}^{\text{E}}\text{L} \text{O}^{\text{Z}}\text{Y}^{\text{T}} \text{Z} \text{A}^{\text{S}}\text{O}^{\text{K}} \text{f} \text{O}^{\text{I}}\text{R}^{\text{E}}\text{A} \text{G}^{\text{A}}\text{I}^{\text{E}}\text{O} \text{O}^{\text{O}}\text{I}^{\text{Q}}\text{K}$

$\text{U}^{\text{G}}\text{A}^{\text{A}}\text{E}^{\text{E}} \text{g}^{\text{A}}\text{E} \text{O}^{\text{N}} \text{50} \text{J}^{\text{D}}\text{Z}^{\text{W}} \text{G}^{\text{D}}\text{Z}^{\text{O}}\text{A}^{\text{E}}\text{N} \text{G}^{\text{E}}\text{D}^{\text{Z}}\text{A}^{\text{D}}\text{Z}^{\text{A}} \text{G}^{\text{A}}\text{Z}^{\text{U}}\text{E}^{\text{U}} \text{Z} \text{U}^{\text{H}}\text{A}^{\text{Q}}\text{U} \text{G}^{\text{O}}\text{Z}^{\text{A}}\text{A}^{\text{N}} \text{U}^{\text{H}} \text{5.0} \text{3}^{\text{R}}\text{Z}^{\text{L}} : \text{Sedimentation} \text{O}^{\text{A}}\text{Z}^{\text{Y}}\text{O}^{\text{O}}\text{A}$   
 $\text{J}^{\text{D}}\text{Z}^{\text{G}} \text{O}^{\text{A}}\text{U}^{\text{Z}}\text{Q} \text{O}^{\text{A}}\text{t}^{\text{A}} \text{D}^{\text{N}} \text{G}^{\text{E}}\text{Z}^{\text{A}}\text{O}^{\text{D}} \text{G}^{\text{E}}\text{t}^{\text{O}} \text{8}^{\text{A}}\text{R}^{\text{L}} \text{U}^{\text{G}}\text{A}^{\text{Z}}\text{A}^{\text{O}}\text{O}^{\text{A}} \text{D}^{\text{N}} \text{J}^{\text{E}} \text{14-11} \text{A}^{\text{E}}\text{H}^{\text{A}} \text{Z}^{\text{Y}}\text{3} \text{O}^{\text{N}} \text{50} \text{J}^{\text{D}}\text{Z}^{\text{S}}\text{A} \text{G}^{\text{Z}}\text{S} \text{G}^{\text{N}}\text{Y}^{\text{Z}} \text{A}^{\text{Z}}\text{E}^{\text{Z}} \text{J}^{\text{Z}}\text{O}^{\text{K}}$   
 $\text{D}^{\text{N}} \text{Z}^{\text{O}}\text{A}^{\text{J}}\text{J}^{\text{A}} \text{J}^{\text{D}}\text{Z}^{\text{S}}\text{A} \text{Z} \text{y}^{\text{Z}}\text{L}^{\text{A}}\text{G}^{\text{O}}\text{O}^{\text{A}} \text{g}^{\text{A}}\text{A}^{\text{Y}}\text{E}^{\text{O}} \text{A}^{\text{O}}\text{Q}^{\text{E}}\text{K} \text{f} \text{U}^{\text{G}}\text{O}^{\text{L}}\text{E}^{\text{A}} \text{15} \text{g}^{\text{A}}\text{N} \text{O}^{\text{A}}\text{O}^{\text{Q}}\text{E}^{\text{Y}}\text{O} \text{O}^{\text{A}}\text{Q}^{\text{L}}\text{S} \text{E}^{\text{A}}\text{L}^{\text{E}}\text{A} \text{5} \text{g}^{\text{A}}\text{N} \text{R}^{\text{E}}\text{A}^{\text{L}} \text{U}^{\text{O}}\text{N} \text{50} \text{O}^{\text{A}}\text{O}^{\text{E}}\text{O}$   
 $. \text{O}^{\text{N}} \text{15} \text{J}^{\text{D}}\text{Z}^{\text{S}}\text{A} \text{G}^{\text{Z}}\text{S} \text{G}^{\text{N}}\text{Y}^{\text{Z}}$

$\text{O}^{\text{N}}\text{O}^{\text{E}}\text{E}^{\text{J}}\text{A} \text{R}^{\text{E}}\text{p} \text{D}^{\text{N}} \text{O}^{\text{N}} \text{6} \text{3}^{\text{N}} \text{h} \text{4} \text{Z}^{\text{Y}}\text{8}^{\text{A}} \text{O}^{\text{A}}\text{Q}^{\text{N}}\text{R}^{\text{A}} \text{O}^{\text{Z}}\text{Y}^{\text{T}} \text{K}^{\text{R}}\text{H}^{\text{U}}\text{O}^{\text{O}} : \text{Heavy metals} \text{G}^{\text{Y}}\text{E}^{\text{O}}\text{Z}^{\text{O}}\text{O}^{\text{A}} (\text{g}^{\text{A}}\text{A}^{\text{Y}}\text{A}^{\text{O}}\text{O}^{\text{A}}) \text{J}^{\text{A}}\text{H}^{\text{A}}\text{t}^{\text{A}}$   
 $\text{Z}^{\text{Z}}\text{O}^{\text{T}}\text{L} \text{D}^{\text{H}}\text{H}^{\text{A}} .\text{O}^{\text{A}}\text{t}^{\text{A}}\text{A} \text{O}^{\text{N}} \text{50} \text{B}^{\text{U}} \text{Z}^{\text{A}}\text{A}^{\text{L}}\text{S} \text{A}^{\text{A}}\text{E}^{\text{O}} \text{O}^{\text{A}}\text{Q}^{\text{L}} \text{U}^{\text{G}}\text{I}^{\text{A}}\text{L} \text{U}^{\text{E}}\text{A}^{\text{L}}\text{E}^{\text{A}} \text{10} \text{g}^{\text{A}}\text{N} \text{O}^{\text{A}}\text{t}^{\text{A}} \text{D}^{\text{N}} \text{O}^{\text{N}} \text{44S} \text{pb} \text{TS} (\text{o}^{\text{H}} \text{60} \sim)$   
 $\text{G}^{\text{Y}}\text{E}^{\text{O}}\text{Z}^{\text{O}}\text{O}^{\text{A}} \text{J}^{\text{A}}\text{H}^{\text{A}}\text{t}^{\text{A}} \text{O}^{\text{D}}\text{Z}^{\text{J}} \text{B}^{\text{A}}\text{E}^{\text{S}}\text{A} \text{O}^{\text{A}}\text{Q}^{\text{N}}\text{R}^{\text{A}} \text{" J}^{\text{A}}\text{Z}^{\text{A}}\text{3} \text{K}^{\text{O}} \text{8}^{\text{Z}}\text{O}^{\text{Z}}\text{N} \text{Z}^{\text{L}} \text{A}^{\text{N}} \text{A}^{\text{E}}\text{E}^{\text{W}} \text{G}^{\text{G}}\text{I}^{\text{A}}\text{O}^{\text{O}}\text{A} \text{D}^{\text{N}} \text{O}^{\text{N}} \text{25} \text{Z} \text{G}^{\text{Y}}\text{E}^{\text{O}}\text{Z}^{\text{O}}\text{O}^{\text{A}} \text{J}^{\text{A}}\text{H}^{\text{A}}\text{t}^{\text{A}}$   
 $. \text{h}^{\text{N}}/\text{y}^{\text{A}}\text{A}^{\text{d}}\text{S}^{\text{A}}\text{O}^{\text{N}} \text{10} \text{D}^{\text{Z}} \text{A}^{\text{L}}\text{A}^{\text{L}} \text{f} \text{U}^{\text{I}}(126 \text{G}^{\text{H}}\text{A}^{\text{O}}\text{O}^{\text{A}} \text{U}^{\text{I}} \text{A}^{\text{Y}}\text{O}^{\text{A}}) \text{A} \text{G}^{\text{O}}\text{L}^{\text{A}}\text{U}^{\text{O}}\text{O}^{\text{A}} \text{A}^{\text{E}}\text{E}^{\text{W}} \text{U}^{\text{I}} \text{"Limit test for heavy metals}$

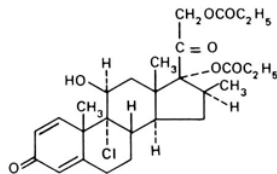
$\text{R}^{\text{E}}\text{p} \text{D}^{\text{N}} \text{O}^{\text{N}} \text{2S} \text{O}^{\text{A}}\text{N} \text{O}^{\text{N}} \text{30} \text{8}^{\text{A}}\text{R}^{\text{L}} \text{U}^{\text{O}}\text{L}^{\text{Z}}\text{U} \text{E}^{\text{A}}\text{3} \text{g}^{\text{A}}\text{E} \text{A}^{\text{A}}\text{Q}^{\text{G}}\text{A} \text{G}^{\text{Y}}\text{D}^{\text{Z}}\text{Z}^{\text{G}} \text{B}^{\text{U}} \text{h} \text{0.5} \text{O}^{\text{O}}\text{A}^{\text{L}} : \text{Arsenic} \text{N}^{\text{E}}\text{P}^{\text{O}}\text{A}^{\text{O}}\text{O}^{\text{A}}$   
 $. \text{K}^{\text{O}}\text{Z}^{\text{I}}\text{E} \text{g}^{\text{A}}\text{t}^{\text{A}} \text{U}^{\text{A}}\text{N} \text{y}^{\text{A}}\text{p} \text{Z} \text{O}^{\text{A}}\text{N} \text{3}^{\text{R}}\text{Z}^{\text{A}} \text{D}^{\text{A}}\text{E}^{\text{L}}\text{S} \text{G}^{\text{Y}}\text{D}^{\text{Z}}\text{Z}^{\text{S}}\text{A} \text{E}^{\text{A}}\text{3} \text{O}^{\text{N}}\text{A}^{\text{A}}\text{K}^{\text{8}}\text{O} \text{3}^{\text{t}}\text{E} \text{O}^{\text{N}}\text{A}^{\text{L}} \text{U}^{\text{TS}} (\text{o}^{\text{H}} \text{1000} \sim) \text{O}^{\text{N}}\text{A}^{\text{Q}}\text{O}^{\text{O}}\text{A}$   
 $\text{5} \text{O}^{\text{A}} \text{g}^{\text{A}}\text{N} \text{O}^{\text{D}} \text{g}^{\text{A}}\text{A}^{\text{N}} \text{Q}^{\text{Y}}\text{Q} \text{G}^{\text{E}}\text{O}^{\text{Q}}\text{t}^{\text{A}} \text{G}^{\text{O}}\text{A}^{\text{Z}}\text{O}^{\text{A}} \text{O}^{\text{E}}\text{8}^{\text{L}} \text{U}^{\text{G}}\text{I}^{\text{A}}\text{L} \text{U}^{\text{O}}\text{A}^{\text{t}}\text{A} \text{U}^{\text{Y}}\text{O}^{\text{J}}\text{A} \text{J}^{\text{D}}\text{Z}^{\text{S}}\text{A} \text{B}^{\text{U}} \text{J}^{\text{D}}\text{Z}^{\text{S}}\text{A} \text{O}^{\text{A}}\text{E}^{\text{H}}\text{A} \text{U}^{\text{A}}\text{E}^{\text{Q}}\text{O} \text{G}^{\text{Y}}\text{D}^{\text{Z}}\text{Z}^{\text{S}}\text{A} \text{O}^{\text{A}}\text{Q}^{\text{K}}$   
 $\text{y}^{\text{A}}\text{p} \text{Z} \text{A}^{\text{A}}\text{G}^{\text{A}}\text{S} \text{U}^{\text{TS}} (\text{o}^{\text{H}} \text{1760}) \text{O}^{\text{N}}\text{O}^{\text{Z}}\text{A}^{\text{Y}}\text{E}^{\text{O}}\text{O}^{\text{A}} \text{R}^{\text{E}}\text{p} \text{D}^{\text{N}} \text{O}^{\text{N}} \text{1} \text{8}^{\text{A}}\text{R}^{\text{L}} \text{U}^{\text{O}}\text{E}^{\text{E}}\text{8}^{\text{O}}\text{O}^{\text{A}} \text{O}^{\text{A}}\text{I}^{\text{E}} \text{3}^{\text{N}} \text{G}^{\text{G}}\text{A}^{\text{I}}\text{A}^{\text{O}}\text{O}^{\text{A}} \text{3}^{\text{t}}\text{O} \text{U}^{\text{O}}\text{A}^{\text{N}} \text{O}^{\text{N}}$   
 $\text{U}^{\text{TS}} (\text{o}^{\text{H}} \text{100} \sim) \text{O}^{\text{N}}\text{O}^{\text{Z}}\text{A}^{\text{Y}}\text{E}^{\text{O}}\text{O}^{\text{A}} \text{R}^{\text{E}}\text{p} \text{D}^{\text{N}} \text{O}^{\text{N}} \text{10} \text{O}^{\text{A}} \text{G}^{\text{E}}\text{O}^{\text{Q}}\text{t}^{\text{A}} \text{G}^{\text{O}}\text{A}^{\text{Z}}\text{O}^{\text{A}} \text{A}^{\text{A}}\text{t}^{\text{Z}}\text{O}^{\text{A}} \text{A}^{\text{A}}\text{O}^{\text{K}} .\text{O}^{\text{A}}\text{R}^{\text{E}}\text{A} \text{D}^{\text{A}}\text{A}^{\text{N}}\text{A} \text{O}^{\text{O}}\text{I}^{\text{Q}}\text{K} \text{Z}^{\text{O}}\text{Q}^{\text{G}} \text{U}^{\text{A}}\text{N}$   
 Limit test  $\text{N}^{\text{E}}\text{P}^{\text{O}}\text{A}^{\text{O}}\text{O}^{\text{A}} \text{O}^{\text{D}}\text{Z}^{\text{J}} \text{B}^{\text{A}}\text{E}^{\text{S}}\text{A} \text{O}^{\text{A}}\text{Q}^{\text{N}}\text{R}^{\text{A}} \text{" J}^{\text{A}}\text{Z}^{\text{A}}\text{3} \text{K}^{\text{O}} \text{8}^{\text{Z}}\text{O}^{\text{Z}}\text{N} \text{Z}^{\text{L}} \text{A}^{\text{N}} \text{A}^{\text{E}}\text{E}^{\text{W}} \text{O}^{\text{A}}\text{H}^{\text{O}}\text{O}^{\text{A}} \text{O}^{\text{A}}\text{O}^{\text{Q}}\text{E}^{\text{L}}\text{S} \text{U}^{\text{O}}\text{A}^{\text{N}} \text{O}^{\text{N}} \text{10} \text{8}^{\text{A}}\text{R}^{\text{L}}\text{S}$   
 $. \text{h}^{\text{N}}/\text{y}^{\text{A}}\text{A}^{\text{d}}\text{S}^{\text{A}}\text{O}^{\text{N}} \text{2} \text{D}^{\text{N}} \text{A}^{\text{Z}}\text{O}^{\text{U}} \text{N}^{\text{E}}\text{P}^{\text{O}}\text{A}^{\text{O}}\text{O}^{\text{A}} \text{Z}^{\text{Z}}\text{O}^{\text{T}}\text{L} \text{J}^{\text{Z}}\text{O}^{\text{L}} \text{f}^{\text{U}} \text{A}^{\text{E}}\text{Z} \text{U}^{\text{I}}(130 \text{G}^{\text{H}}\text{A}^{\text{O}}\text{O}^{\text{A}} \text{U}^{\text{I}} \text{A}^{\text{Y}}\text{O}^{\text{A}}) \text{"for arsenic}$

$\text{R}^{\text{E}}\text{p} \text{D}^{\text{N}} \text{O}^{\text{N}} \text{30} \text{8}^{\text{A}}\text{R}^{\text{L}}\text{S} \text{O}^{\text{A}}\text{N} \text{O}^{\text{N}} \text{20} \text{3}^{\text{N}} \text{h} \text{10} \text{Z}^{\text{Y}}\text{8}^{\text{A}} : \text{Soluble barium salts} \text{G}^{\text{A}}\text{A}^{\text{S}}\text{O}^{\text{O}}\text{O}^{\text{A}} \text{y}^{\text{Z}}\text{L}^{\text{A}}\text{G}^{\text{O}}\text{O}^{\text{A}} \text{dz}^{\text{Y}}\text{N}^{\text{U}}$   
 $\text{O}^{\text{N}} \text{10} \text{J}^{\text{D}}\text{Z}^{\text{W}} \text{J}^{\text{E}}\text{E} \text{B}^{\text{U}} \text{8}^{\text{A}}\text{R}^{\text{L}} .\text{O}^{\text{A}}\text{t}^{\text{A}}\text{A} \text{O}^{\text{N}} \text{50} \text{B}^{\text{U}} \text{Z}^{\text{A}}\text{E}^{\text{S}} \text{A}^{\text{A}}\text{E}^{\text{O}} \text{O}^{\text{A}}\text{Q}^{\text{L}} \text{U}^{\text{G}}\text{I}^{\text{A}}\text{L} \text{U}^{\text{E}}\text{A}^{\text{L}}\text{E}^{\text{A}} \text{5} \text{g}^{\text{A}}\text{N} \text{TS} (\text{o}^{\text{H}} \text{60} \sim) \text{O}^{\text{N}}\text{O}^{\text{E}}\text{E}^{\text{J}}\text{A}$   
 $. \text{O}^{\text{A}}\text{t}^{\text{A}} \text{D}^{\text{N}} \text{O}^{\text{N}} \text{1} \text{O}^{\text{Z}}\text{Y}^{\text{A}} \text{D}^{\text{N}} \text{O}^{\text{N}} \text{10} \text{J}^{\text{D}}\text{Z}^{\text{W}} \text{A}^{\text{N}}\text{U} \text{J}^{\text{E}}\text{E} \text{B}^{\text{U}}\text{S} \text{TS} (\text{o}^{\text{H}} \text{100} \sim) \text{O}^{\text{N}}\text{O}^{\text{Z}}\text{A}^{\text{Y}}\text{E}^{\text{O}}\text{O}^{\text{A}} \text{R}^{\text{E}}\text{p} \text{D}^{\text{N}} \text{O}^{\text{N}} \text{1} \text{O}^{\text{Z}}\text{Y}^{\text{A}} \text{D}^{\text{N}} \text{O}^{\text{N}}$   
 $. \text{O}^{\text{A}}\text{A}^{\text{H}}\text{O}^{\text{N}} \text{Z}^{\text{U}} \text{Z}^{\text{Y}}\text{3} \text{J}^{\text{A}}\text{E}^{\text{Z}}\text{A}^{\text{O}} \text{J}^{\text{F}}\text{Z}^{\text{Y}}\text{A} \text{Z}^{\text{O}}\text{G}^{\text{A}} \text{U}^{\text{G}}\text{A}^{\text{G}}\text{I}^{\text{S}} \text{G}^{\text{Z}}\text{A}^{\text{E}} \text{A}^{\text{E}}\text{H}^{\text{A}} \text{J}^{\text{F}}\text{Z}^{\text{Y}}\text{A} \text{J}^{\text{O}}\text{A}^{\text{O}}\text{L} \text{A}^{\text{N}}\text{A}^{\text{A}}\text{3}$





:Graphic formula  $\check{\text{G}}\check{\text{e}}\check{\text{p}}\check{\text{A}}\check{\text{E}}\check{\text{G}}\check{\text{t}}\check{\text{a}} \check{\text{G}}\check{\text{8}}\check{\text{E}}\check{\text{O}}\check{\text{a}}$



:Chemical name  $\text{U}\check{\text{a}}\check{\text{A}}\check{\text{E}}\check{\text{t}}\check{\text{E}}\check{\text{O}}\check{\text{a}} \text{ l}\check{\text{e}}\check{\text{r}}\check{\text{a}}$

9-Chloro-11β,17,21-trihydroxy-16β-methylpregna-1,4-diene-3,20-dione 17,21-dipropionate; 9-chloro-11β-hydroxy-16β-methyl-17,21-bis(1-oxopropoxy)pregna-1,4-diene-3,20-dione; CAS Reg. No. 5534-09-8.

. $\check{\text{G}}\check{\text{H}}\check{\text{a}}\check{\text{A}}\check{\text{O}}\check{\text{a}}$   $\check{\text{C}}\check{\text{A}}\check{\text{z}}$   $\check{\text{U}}\check{\text{H}}\check{\text{z}}\check{\text{A}}\check{\text{O}}$   $\check{\text{R}}\check{\text{E}}\check{\text{a}}\check{\text{U}}$   $\text{B}\check{\text{U}}$   $\check{\text{R}}\check{\text{E}}\check{\text{a}}\check{\text{U}}$   $\text{J}\check{\text{z}}\check{\text{Y}}\check{\text{a}}$   $\check{\text{a}}\check{\text{z}}\check{\text{H}}\check{\text{U}}\check{\text{E}}\check{\text{U}}$  :Description  $\text{Z} \check{\text{O}}\check{\text{z}}\check{\text{O}}\check{\text{a}}$

$\check{\text{O}}\check{\text{a}}\check{\text{A}}\check{\text{D}}\check{\text{Z}}\check{\text{U}}$  8  $\check{\text{Z}}\check{\text{s}}$  TS ( $\check{\text{O}}/\check{\text{h}}$  750~)  $\check{\text{O}}\check{\text{z}}\check{\text{U}}\check{\text{A}}\check{\text{Y}}\check{\text{U}}\check{\text{Q}}\check{\text{U}}$   $\text{d}\check{\text{U}}$   $\check{\text{W}}\check{\text{O}}\check{\text{A}}\check{\text{D}}\check{\text{Z}}$  60  $\check{\text{Z}}$   $\check{\text{a}}\check{\text{a}}\check{\text{s}}\check{\text{e}}$   $\check{\text{U}}\check{\text{O}}\check{\text{A}}\check{\text{t}}\check{\text{a}}$   $\check{\text{Z}}$   $\check{\text{W}}\check{\text{E}}\check{\text{Y}}\check{\text{t}}\check{\text{z}}$   $\check{\text{a}}\check{\text{a}}\check{\text{s}}\check{\text{e}}$   $\text{Kd}$  :Solubility  $\check{\text{G}}\check{\text{E}}\check{\text{U}}\check{\text{A}}\check{\text{s}}\check{\text{O}}\check{\text{a}}$

.R  $\check{\text{Y}}\check{\text{O}}\check{\text{z}}\check{\text{z}}\check{\text{s}}\check{\text{O}}\check{\text{z}}\check{\text{U}}\check{\text{O}}\check{\text{a}}$   $\text{d}\check{\text{U}}$

.Antiasthmatic  $\check{\text{z}}\check{\text{A}}\check{\text{Y}}\check{\text{O}}$   $\check{\text{A}}\check{\text{A}}\check{\text{R}}\check{\text{U}}$   $\check{\text{O}}\check{\text{a}}\check{\text{s}}\check{\text{A}}$  :Category  $\check{\text{G}}\check{\text{A}}\check{\text{A}}\check{\text{O}}\check{\text{a}}$

. $\check{\text{O}}\check{\text{z}}\check{\text{R}}\check{\text{O}}\check{\text{a}}$   $\text{d}\check{\text{U}}$   $\check{\text{G}}\check{\text{H}}\check{\text{t}}\check{\text{T}}$   $\check{\text{U}}\check{\text{Y}}\check{\text{A}}\check{\text{O}}\check{\text{g}}\check{\text{A}}\check{\text{A}}$   $\check{\text{G}}\check{\text{O}}\check{\text{Y}}\check{\text{8}}\check{\text{U}}$   $\check{\text{G}}\check{\text{A}}\check{\text{s}}\check{\text{A}}\check{\text{g}}$   $\check{\text{Z}}$   $\text{J}$   $\check{\text{s}}\check{\text{A}}\check{\text{A}}\check{\text{Q}}\check{\text{E}}\check{\text{N}}\check{\text{z}}\check{\text{U}}\check{\text{O}}\check{\text{G}}\check{\text{O}}\check{\text{a}}$   $\check{\text{g}}\check{\text{A}}\check{\text{Q}}\check{\text{z}}\check{\text{E}}\check{\text{s}}\check{\text{A}}\check{\text{A}}$   $\text{U}\check{\text{a}}\check{\text{A}}\check{\text{Q}}$   $\check{\text{S}}\check{\text{A}}\check{\text{g}}$   $\check{\text{A}}\check{\text{E}}\check{\text{z}}$  :Storage  $\text{d}\check{\text{U}}\check{\text{A}}\check{\text{A}}\check{\text{Q}}\check{\text{O}}\check{\text{a}}$

# REQUIREMENTS $\text{K}\check{\text{G}}\check{\text{H}}\check{\text{U}}\check{\text{O}}\check{\text{K}}\check{\text{D}}\check{\text{Z}}\check{\text{U}}\check{\text{f}}$

$\text{r}\check{\text{s}}$  %96.0  $\text{d}\check{\text{U}}$   $\check{\text{O}}\check{\text{O}}\check{\text{A}}$   $\text{r}\check{\text{A}}\check{\text{U}}$   $\text{z}\check{\text{U}}\check{\text{z}}$   $\text{J}$   $\check{\text{s}}\check{\text{A}}\check{\text{A}}\check{\text{Q}}\check{\text{E}}\check{\text{N}}\check{\text{z}}\check{\text{U}}\check{\text{O}}\check{\text{G}}\check{\text{O}}\check{\text{a}}$   $\check{\text{g}}\check{\text{A}}\check{\text{Q}}\check{\text{z}}\check{\text{E}}\check{\text{s}}\check{\text{A}}\check{\text{A}}$   $\text{U}\check{\text{a}}\check{\text{A}}\check{\text{Q}}$   $\text{B}\check{\text{z}}\check{\text{U}}\check{\text{z}}$  :General requirement  $\check{\text{Y}}\check{\text{A}}\check{\text{H}}\check{\text{O}}\check{\text{a}}$   $\check{\text{A}}\check{\text{E}}\check{\text{Y}}\check{\text{U}}\check{\text{Q}}\check{\text{t}}\check{\text{a}}$

. $\check{\text{G}}\check{\text{A}}\check{\text{A}}\check{\text{O}}\check{\text{a}}$   $\text{g}\check{\text{A}}\check{\text{A}}\check{\text{t}}\check{\text{a}}$   $\text{B}\check{\text{U}}$   $\check{\text{t}}\check{\text{z}}\check{\text{D}}\check{\text{Z}}\check{\text{A}}\check{\text{O}}\check{\text{A}}\check{\text{A}}$   $\check{\text{G}}\check{\text{A}}\check{\text{z}}\check{\text{E}}\check{\text{T}}$   $\check{\text{U}}\text{C}_{28}\text{H}_{37}\text{ClO}_7$   $\text{d}\check{\text{U}}$  %104.0  $\text{d}\check{\text{U}}$   $\check{\text{A}}\check{\text{E}}\check{\text{A}}\check{\text{A}}$

:Identity tests  $\text{h}\check{\text{U}}\check{\text{Y}}\check{\text{N}}\check{\text{Y}}\check{\text{U}}\check{\text{U}}\check{\text{E}}$   $\text{l}\check{\text{E}}\check{\text{P}}\check{\text{F}}\check{\text{G}}\check{\text{H}}\check{\text{Q}}\check{\text{E}}$

$\check{\text{O}}\check{\text{a}}\check{\text{A}}\check{\text{t}}\check{\text{S}}\check{\text{A}}$   $\check{\text{K}}\check{\text{O}}$   $\check{\text{G}}\check{\text{H}}\check{\text{I}}\check{\text{J}}\check{\text{A}}$   $\check{\text{G}}\check{\text{O}}\check{\text{U}}\check{\text{A}}\check{\text{U}}$   $\check{\text{Z}}$   $\text{U}\check{\text{a}}\check{\text{z}}\check{\text{R}}\check{\text{O}}\check{\text{a}}$   $\text{Z}$   $\check{\text{E}}\check{\text{U}}\check{\text{O}}\check{\text{a}}$   $\check{\text{a}}\check{\text{A}}\check{\text{E}}\check{\text{e}}$ "  $\text{J}$   $\check{\text{A}}\check{\text{z}}\check{\text{A}}\check{\text{z}}$   $\check{\text{K}}\check{\text{O}}$   $\check{\text{8}}\check{\text{z}}\check{\text{O}}\check{\text{z}}\check{\text{U}}$   $\text{z}\check{\text{L}}$   $\check{\text{A}}\check{\text{U}}$   $\check{\text{A}}\check{\text{E}}\check{\text{E}}\check{\text{U}}$   $\check{\text{O}}\check{\text{H}}\check{\text{A}}\check{\text{O}}\check{\text{a}}$   $\text{E}\check{\text{U}}\check{\text{U}}$  :A

$\check{\text{K}}\check{\text{O}}$   $\check{\text{G}}\check{\text{H}}\check{\text{I}}\check{\text{J}}\check{\text{A}}$   $\check{\text{Z}}$   $\check{\text{I}}$   $\check{\text{A}}\check{\text{O}}\check{\text{Q}}\check{\text{U}}\check{\text{r}}\check{\text{A}}$   $\text{Z}$   $\check{\text{E}}\check{\text{U}}$   $\text{E}\check{\text{A}}\check{\text{A}}\check{\text{U}}\check{\text{Q}}\check{\text{U}}$  .(43  $\check{\text{G}}\check{\text{H}}\check{\text{A}}\check{\text{O}}\check{\text{a}}$   $\check{\text{U}}\check{\text{I}}$   $\check{\text{A}}\check{\text{E}}\check{\text{Y}}\check{\text{O}}\check{\text{a}}$ ) "Spectro photometry in the infrared region

$\text{U}\check{\text{a}}\check{\text{A}}\check{\text{A}}\check{\text{J}}\check{\text{O}}$  *reference spectrum*  $\text{U}\check{\text{H}}\check{\text{D}}\check{\text{Z}}\check{\text{A}}\check{\text{t}}\check{\text{a}}$   $\text{Z}$   $\check{\text{E}}\check{\text{U}}\check{\text{O}}\check{\text{a}}$   $\text{Z}\check{\text{U}}$   $\text{RS}$   $\text{J}$   $\check{\text{s}}\check{\text{A}}\check{\text{A}}\check{\text{Q}}\check{\text{E}}\check{\text{N}}\check{\text{z}}\check{\text{U}}\check{\text{O}}\check{\text{G}}\check{\text{O}}\check{\text{a}}$   $\check{\text{g}}\check{\text{A}}\check{\text{Q}}\check{\text{z}}\check{\text{E}}\check{\text{s}}\check{\text{A}}\check{\text{A}}$   $\text{U}\check{\text{a}}\check{\text{A}}\check{\text{Q}}$   $\text{d}\check{\text{U}}$   $\check{\text{J}}\check{\text{K}}\check{\text{A}}\check{\text{O}}\check{\text{a}}$   $\text{Z}$   $\check{\text{E}}\check{\text{U}}\check{\text{O}}\check{\text{a}}$   $\text{Z}\check{\text{U}}$   $\check{\text{O}}\check{\text{a}}\check{\text{A}}\check{\text{t}}\check{\text{S}}\check{\text{A}}$

. $\text{J}$   $\check{\text{s}}\check{\text{A}}\check{\text{A}}\check{\text{Q}}\check{\text{E}}\check{\text{N}}\check{\text{z}}\check{\text{U}}\check{\text{O}}\check{\text{G}}\check{\text{O}}\check{\text{a}}$   $\check{\text{g}}\check{\text{A}}\check{\text{Q}}\check{\text{z}}\check{\text{E}}\check{\text{s}}\check{\text{A}}\check{\text{A}}$

$\check{\text{U}}\check{\text{I}}\check{\text{A}}\check{\text{E}}\check{\text{Y}}\check{\text{O}}\check{\text{a}}$ ) "Thin-layer chromatography  $\check{\text{G}}\check{\text{O}}\check{\text{E}}\check{\text{A}}\check{\text{O}}\check{\text{a}}$   $\check{\text{G}}\check{\text{O}}\check{\text{G}}\check{\text{U}}\check{\text{O}}\check{\text{a}}$   $\check{\text{A}}\check{\text{A}}\check{\text{A}}\check{\text{I}}\check{\text{Q}}\check{\text{E}}\check{\text{e}}$ "  $\text{J}$   $\check{\text{A}}\check{\text{z}}\check{\text{A}}\check{\text{z}}$   $\check{\text{K}}\check{\text{O}}$   $\check{\text{8}}\check{\text{z}}\check{\text{O}}\check{\text{z}}\check{\text{U}}$   $\check{\text{O}}\check{\text{A}}\check{\text{Q}}\check{\text{H}}\check{\text{r}}\check{\text{A}}$   $\text{E}\check{\text{U}}\check{\text{U}}$  :B

$\text{K}\check{\text{V}}\check{\text{E}}\check{\text{A}}\check{\text{s}}\check{\text{E}}\check{\text{O}}\check{\text{a}}$   $\text{g}\check{\text{A}}\check{\text{A}}\check{\text{U}}$   $\text{d}\check{\text{U}}$   $\text{l}\check{\text{D}}\check{\text{z}}\check{\text{g}}$  1  $\text{d}\check{\text{U}}$   $\check{\text{J}}\check{\text{A}}\check{\text{A}}\check{\text{U}}\check{\text{s}}$   $\check{\text{G}}\check{\text{Y}}\check{\text{W}}\check{\text{8}}\check{\text{U}}$   $\text{g}\check{\text{A}}\check{\text{A}}\check{\text{t}}\check{\text{O}}$   $\text{RI}(\check{\text{A}}\check{\text{L}}\check{\text{z}}\check{\text{z}}\check{\text{A}}$   $\check{\text{E}}\check{\text{E}}\check{\text{O}})$   $\check{\text{O}}\check{\text{z}}\check{\text{8}}\check{\text{Y}}\check{\text{E}}\check{\text{E}}\check{\text{O}}\check{\text{a}}$   $\text{g}\check{\text{A}}\check{\text{A}}\check{\text{U}}$   $\check{\text{Y}}\check{\text{A}}\check{\text{E}}\check{\text{A}}\check{\text{Q}}\check{\text{E}}\check{\text{A}}\check{\text{A}}$   $\check{\text{U}}$ (84  $\check{\text{G}}\check{\text{H}}\check{\text{A}}\check{\text{O}}\check{\text{a}}$

$\check{\text{A}}\check{\text{E}}\check{\text{O}}\check{\text{t}}\check{\text{A}}$   $\check{\text{O}}\check{\text{O}}\check{\text{A}}$   $\text{J}$   $\check{\text{U}}$   $\check{\text{A}}\check{\text{E}}\check{\text{H}}\check{\text{A}}$  . $\text{l}\check{\text{U}}$  5  $\check{\text{G}}\check{\text{A}}\check{\text{A}}\check{\text{E}}$   $\text{z}\check{\text{O}}\check{\text{Q}}\check{\text{g}}$   $\check{\text{O}}\check{\text{A}}\check{\text{E}}\check{\text{O}}\check{\text{a}}$   $\check{\text{Z}}$   $\check{\text{A}}\check{\text{t}}\check{\text{8}}\check{\text{K}}\check{\text{s}}$   $\check{\text{U}}\check{\text{G}}\check{\text{H}}\check{\text{U}}\check{\text{A}}\check{\text{O}}\check{\text{a}}$   $\check{\text{A}}\check{\text{E}}\check{\text{A}}\check{\text{A}}\check{\text{I}}\check{\text{Q}}\check{\text{O}}$   $\text{R}$   $\text{J}\check{\text{z}}\check{\text{Q}}\check{\text{E}}\check{\text{e}}\check{\text{J}}\check{\text{A}}$   $\text{d}\check{\text{U}}$   $\check{\text{Y}}\check{\text{z}}\check{\text{D}}\check{\text{z}}\check{\text{g}}$  9 $\check{\text{s}}$   $\text{R}$   $\check{\text{O}}\check{\text{z}}\check{\text{O}}\check{\text{E}}\check{\text{Y}}\check{\text{Q}}$

$\check{\text{G}}\check{\text{z}}\check{\text{A}}\check{\text{8}}\check{\text{O}}\check{\text{a}}$   $\text{g}\check{\text{O}}\check{\text{A}}\check{\text{A}}\check{\text{g}}$   $\check{\text{G}}\check{\text{D}}\check{\text{Z}}\check{\text{O}}\check{\text{A}}\check{\text{E}}\check{\text{A}}$   $\check{\text{O}}\check{\text{A}}\check{\text{A}}\check{\text{O}}\check{\text{Q}}\check{\text{E}}\check{\text{Y}}\check{\text{O}}$   $\check{\text{O}}\check{\text{A}}\check{\text{Q}}\check{\text{K}}\check{\text{s}}$   $\check{\text{A}}\check{\text{A}}\check{\text{A}}\check{\text{I}}\check{\text{Q}}\check{\text{E}}\check{\text{r}}\check{\text{A}}$   $\text{g}\check{\text{K}}\check{\text{D}}\check{\text{z}}\check{\text{g}}$   $\text{d}\check{\text{U}}$   $\check{\text{G}}\check{\text{H}}\check{\text{U}}\check{\text{A}}\check{\text{O}}\check{\text{a}}$   $\check{\text{t}}\check{\text{A}}\check{\text{O}}\check{\text{A}}\check{\text{K}}$   $\check{\text{U}}\check{\text{L}}\check{\text{e}}$  16  $\text{d}\check{\text{U}}$   $\check{\text{O}}\check{\text{O}}\check{\text{A}}$   $\text{r}$   $\check{\text{t}}\check{\text{A}}\check{\text{A}}\check{\text{K}}\check{\text{O}}\check{\text{A}}$   $\text{B}\check{\text{U}}$

$\text{B}\check{\text{O}}\check{\text{O}}\check{\text{a}}$   $\check{\text{C}}\check{\text{A}}\check{\text{O}}\check{\text{r}}\check{\text{A}}$   $\check{\text{E}}\check{\text{A}}\check{\text{A}}\check{\text{A}}$   $\check{\text{A}}\check{\text{A}}\check{\text{A}}\check{\text{I}}\check{\text{Q}}\check{\text{E}}\check{\text{r}}\check{\text{A}}$   $\check{\text{O}}\check{\text{E}}\check{\text{A}}\check{\text{A}}\check{\text{Q}}\check{\text{A}}$   $\check{\text{U}}\check{\text{K}}\check{\text{Q}}\check{\text{z}}\check{\text{A}}\check{\text{E}}$   $\text{g}\check{\text{A}}\check{\text{U}}$   $\check{\text{O}}\check{\text{Y}}\check{\text{N}}$   $\check{\text{G}}\check{\text{A}}\check{\text{A}}\check{\text{I}}\check{\text{Q}}\check{\text{t}}\check{\text{A}}$   $\check{\text{G}}\check{\text{H}}\check{\text{U}}\check{\text{A}}\check{\text{O}}\check{\text{a}}$   $\check{\text{Y}}\check{\text{A}}\check{\text{E}}\check{\text{A}}\check{\text{Q}}\check{\text{E}}\check{\text{I}}$  . $\check{\text{O}}\check{\text{U}}\check{\text{A}}\check{\text{O}}\check{\text{A}}\check{\text{A}}$   $\check{\text{A}}\check{\text{E}}\check{\text{O}}\check{\text{t}}\check{\text{A}}$   $\check{\text{A}}\check{\text{A}}\check{\text{Q}}\check{\text{U}}$   $\text{z}\check{\text{O}}\check{\text{Q}}\check{\text{g}}$









1. **liberated base**  $\text{C}_{16}\text{H}_{20}\text{N}_2$   $\eta_{inh}$  12.02  $\text{cSt}$  vs (0.1) **liberated base**  $\text{C}_{16}\text{H}_{20}\text{N}_2$   $\eta_{inh}$  12.02  $\text{cSt}$  vs (0.1)

**Additional Requirements for Sterile Benzathine Benzylpenicillin**

**Sterility testing of Benzathine Benzylpenicillin**  $\text{C}_{16}\text{H}_{20}\text{N}_2$   $\eta_{inh}$  12.02  $\text{cSt}$  vs (0.1) **Sterility testing of Benzathine Benzylpenicillin**

**Penicillinase TS**  $\text{C}_{16}\text{H}_{20}\text{N}_2$   $\eta_{inh}$  12.02  $\text{cSt}$  vs (0.1) **Penicillinase TS**  $\text{C}_{16}\text{H}_{20}\text{N}_2$   $\eta_{inh}$  12.02  $\text{cSt}$  vs (0.1)

**Additional requirements for Benzathine benzylpenicillin for parenteral use**

**(56  $\text{C}_{16}\text{H}_{20}\text{N}_2$   $\eta_{inh}$  12.02  $\text{cSt}$  vs (0.1) "Parenteral preparations**  $\text{C}_{16}\text{H}_{20}\text{N}_2$   $\eta_{inh}$  12.02  $\text{cSt}$  vs (0.1) **(56  $\text{C}_{16}\text{H}_{20}\text{N}_2$   $\eta_{inh}$  12.02  $\text{cSt}$  vs (0.1) "Parenteral preparations**

**Additional requirements for Benzathine benzylpenicillin for Sterile use**

**Test for Sterility of non-sterile Benzathine Benzylpenicillin**  $\text{C}_{16}\text{H}_{20}\text{N}_2$   $\eta_{inh}$  12.02  $\text{cSt}$  vs (0.1) **Test for Sterility of non-sterile Benzathine Benzylpenicillin**

**000000**

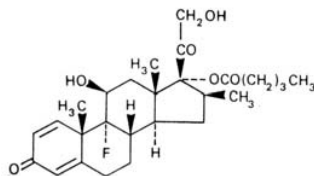
## BETAMETHASONI VALERAS

**Betamethason Valerate**  $\text{C}_{27}\text{H}_{37}\text{FO}_6$  **Betamethason Valerate**

**$\text{C}_{27}\text{H}_{37}\text{FO}_6$  :Molecular formula**  $\text{C}_{27}\text{H}_{37}\text{FO}_6$   **$\text{C}_{27}\text{H}_{37}\text{FO}_6$  :Molecular formula**

**476.6 :Relative molecular mass**  $\text{C}_{27}\text{H}_{37}\text{FO}_6$  **476.6 :Relative molecular mass**

:Graphic formula



:Chemical name

9-Fluoro-11β,17,21-trihydroxy-16β-methylpregna-1,4-diene-3,20-dione 17-valerate; 9-fluoro-11β,21-dihydroxy-16β-methyl-17-[(1-oxopen-tyl)oxyl]pregna-1,4-diene-3,20-dione; CAS Reg. No. 2152-44-5.

.Description

.Solubility

.R

.Antiinflammatory

.Storage

#### REQUIREMENTS

.General requirement

.C<sub>27</sub>H<sub>37</sub>FO<sub>6</sub>

:Identification tests

.E<sub>1</sub>C<sub>1</sub>D

.Spectrophotometry in the infrared region

.J<sub>1</sub>

.B

.0.25



ԳԵԼԱՌԱՅ 3ՕԳԱ ԲԱՐՈՒՄ . "Related steroids ԾՈՒԻՊ՝ ԳՆԱՆՏԱՊԵՐՈՒ" յաճ ԿՕ 8շձշԻՊ՝ թԱՊՈՒՐԻ ԲՈՒ ԱԻՊԱ :C  
 ԵՆ ԾՈՒՌԱՅ ԳԵԼԱՌԱՅ ԾՈՒՌԱՅ ԲԱՐՈՒՄ ՍՈՒՐՈՒ ԾԱՐՈՒ .B զշԻԻՊ՝ ԵՆ ԾՈՒՌԱՅ ՕՐԿ 3Պ 3շԻՊ՝ Զ ԸՏ A ԿՈՒԻԻՊ՝ ԵՆ ԾՈՒՌԱՅ  
 .B զշԻԻՊ՝ ԵՆ ԾՈՒՌԱՅ ՕՐԿ 3Պ ԳԵԼԱՅ ԱԻՊՊ՝ Զ A զշԻԻՊ՝

Ս1 ԱՐՈՒ) "Oxygen flask method ԿԶԵՕԵՊ՝ ԾՈՒՌԱՅ ԾՈՒՌԱՅ" յաճ ԿՕ 8շձշԻՊ՝ թԱՊՈՒՐԻ ԲԱՐՈՒՄ :D  
 0.01) ԻՂԱՂՈՒՄ՝ ԱԵԵՕՏՈՒՄ՝ զշԻՊ՝ ԵՆ Օ.5 ԵՆ ԵԼԱՆՏ թԱՊՈՒՐԻՊ՝ ԳՆԱՆՏ ԵՆ ՊՐՊ 7 ԻՂԱՂՈՒՄ՝ Ս(132 ԾՈՒՌԱՅ  
 ՕՊ 0.1 ԵՆ ԵԼԱՆՏ ԵՆ ՕՊ 0.1 8ԱՐԱ ՍԾԵՐԱՅ ՕՐՈՒՄ՝ ԱՆԱՆՏ .absorbing 1 ԱՊ ՕՐԱԵՕ թԱՊ՝ ՕՊ 20Տ VS (զ/զՂՊ  
 ՍZirconyl nitrate TS զշԻՊ՝ ԵՆ ՕՊ 0.1Տ ՈՒՂԱՆՏ ԱՐՊ TS (զ/Վ1) Sodium alizarin sulfonate զշԻՊ՝ ԵՆ  
 .ԱԱՕԵՊ՝ յաճ ԲՈՒ ԱՐՊ՝ զշԻԻՊ՝ յաճ ՕՐԱՊ՝

ՍԱՅԱ .ԲԱՆԱ 5 ԳԵՆ ՍԱՆՏ ԻՂԱՂ՝ Զ TS1 զշԻՊ՝/ԻՂԱՂ՝ԱՅ ԱԵԵՕՏՈՒՄ՝ զշԻՊ՝ ԵՆ ՕՊ 2.0 3Պ 0.05 ԾԱԵԼ :E  
 ՕՐԱՊ՝ ԳՆԱՆՏ ԾՈՒՌԱՅ ԲԱՐՈՒՄ՝ ՍԾԵՐԱՅ 1 ԳԵՆ ԶՈՒՄ՝ ԻՂԱՆՏ ՍԾԵՐԱՅ (զ/Վ100~) ՕՐԱՂԱՂ՝ԱՅ ՐԻՊ ԵՆ ՕՊ 2.0 8ԱՐԱՅ  
 .ԵԼԱՆՏ ՕՐԱՂԱՂ՝ԱՅ ԾՈՒՌԱՅ/ԾՈՒՌԱՅ

ՍԵԵՕՒՄ՝ Զ ՕՊ/ՊՐՊ 10 ԱՐԱՊ՝ զշԻՊ՝ ԻՂԱՂ՝ԱՅ :Specific optical rotation ԵՂԱՌԱՅ ԲԱՌԱՅ ԱՆԱՊ՝  
 $[a]_D^{20^\circ} = +75 \text{ to } +81^\circ$

.Վ/ՊՐՊ 2.0 ԵՂԱՌԱՅ ԵՆ ԾՈՒՌԱՅ Զ (ԱՐԱՅ) ԱՆԱՆՏ Վ0.1 յաճ :Sulfated ash ԿԱՎԵՊ՝ ԱՆԱՌԱՅ  
 .Վ/ՊՐՊ 5.0 ԵՆ ԱՐՈՒՄ՝ ԱՌԱՅ ԵՆ ՍԾԵՐԱՅ ԾՈՒՌԱՅ յաճ ԶԱՅ :Loss on drying ԶԱՌԱՅ ԱՌԱՌԱՅ  
 Thin- ԾՈՒՌԱՅ ԾՈՒՌԱՅ ԱՐԱՂ՝ԱՅ" յաճ ԿՕ 8շձշԻՊ՝ թԱՊՈՒՐԻ ԲԱՐՈՒՄ :Related steroids ԾՈՒԻՊ՝ ԳՆԱՆՏԿՈՒՄ՝  
 ԵՆ ԵԼԱՆՏ ԾՈՒՌԱՅ Սilica gel R1 ԱՐԱՂ՝ԱՅ ԾՈՒՌԱՅ ԻՂԱՂ՝ԱՅ Ս(84 ԾՈՒՌԱՅ Ս1 ԱՐՈՒ) "layer chromatography  
 ՍԾԵՐԱՅ ԲԱՐՈՒՄ .ՕՐԱՌԱՅ զշԻՊ՝ թԱՊ՝ ԵՆ ՈՒՂԱՆՏ 0.2Տ ՍՐ զշԻՊ՝ ԵՆ ԻՂԱՂ՝ Զ ՍՐ յաճ զշԻՊ՝ ՍԱՌԱՅ ԵՆ ՈՒՂԱՆՏ 95  
 զշԻԻՊ՝ ՍՐ զշԻՊ՝ ԵՆ ՈՒՂԱՆՏ 1Տ R ԻՂԱՂ՝ԱՅ յաճ ԶԱՅ 9 ԵՆ ԵԼԱՆՏ Զ ԿԱՌԱՅ ԿՈՒԻՊ՝ ԵՆ ԱՌԱՅ ԱՌԱՅ 1 ԾՈՒՌԱՅ ԻՂԱՂ՝  
 ՕՐ՝ Զ RS յաճ ԱՐԱՂ՝ԱՅ ԳՆԱՆՏ ԵՆ ՊՐՊ 15 ԲԶՅ : (B) զշԻԻՊ՝ ՕՊ 1 ՕՐ՝ Զ թԱՊՈՒՐԻՊ՝ ԳՆԱՆՏ ԵՆ ՊՐՊ 15 ԲԶՅ : (A)  
 A զշԻԻՊ՝ ԵՆ ԿԱՌԱՅ ԿՈՒՂԱՅ ԵԼԱՆՏ ԵԼԱՆՏ ԵՆ յաճ (C) ՕՐԱՂ՝ զշԻՊ՝ ԵՆ ԱՌԱՅ ԱՌԱՅ 2 ԾՈՒՌԱՅ ԻՂԱՂ՝ ՈՐԱՂ՝ ՍՐ 1  
 ԾԵՐԱՅ ԱՐԱՂ՝ ԵՆ ՕՊ 1 ՕՐ՝ Զ թԱՊՈՒՐԻՊ՝ ԳՆԱՆՏ ԵՆ ՊՐՊ 0.15 ԻՂԱՂ՝ ԲԶՅ (D) ԶԱՌԱՅ զշԻՊ՝ ԵՆ ԱՌԱՅ ԱՌԱՅ 1Տ ԲՏ  
 ԱՐԱՂ՝ ԶԱՌԱՅ զաՂ՝ Զ ԶԱՌԱՅ ՕՐԱՂ՝ ՍԱՌԱՂ՝ԱՅ ԳԶԱՆՏ ԵՆ ԾՈՒՌԱՅ ԵՆ ԱՐԱՂ՝ԱՅ .BՏ A ԿՈՒԻՊ՝ ԻՂԱՂ՝ԱՅ  
 ԱԵԵՕՏՈՒՄ՝/ԻՂԱՂ՝ԱՅ ԱՐԱՂ՝ ԱՐԱՂ՝ ՍԱՌԱՂ՝ ԱՐԱՂ՝ ՍԾԵՐԱՅ 10 ԳԵՆ ՍԾԵՐԱՅ ԾՈՒՌԱՅ ԾԱԵԼ Զ .ԳՆԱՂ՝ԱՅ  
 ԾՈՒՌԱՅ ՕՐԱՂ՝ԱՅ ՍԱ զշԻԻՊ՝ ԵՆ ԵԼԱՆՏ ԾՈՒՌԱՅ յաճ ԶԱՌԱՅ Զ ՍԾԵՐԱՅ ՍԾԵՐԱՅ ԶԱՌԱՅ յաճ յաճ յաճ  
 .D զշԻԻՊ՝ ԵՆ ԾՈՒՌԱՅ ՕՐԿ ԵՆ ԳԵԼԱՅ ԱՐՈՒՄ՝ ՍԾԵՐԱՅ

:Assay  $\check{C}\acute{E}\acute{M}\acute{A}\acute{O}\acute{t}\grave{a}$

. $\check{C}\acute{E}\acute{M}\acute{A}\acute{O}\acute{t}\grave{a}$   $g\acute{A}\eta$   $\acute{o}\acute{Y}\grave{n}$   $\acute{o}z\acute{R}\acute{o}\grave{a}$   $\text{ch}\eta$   $\acute{O}\acute{E}\acute{a}\acute{+}\acute{a}$   $\text{z}\acute{t}\text{H}\acute{u}\acute{l}$   $j\acute{u}$   $\acute{A}ez$  •

$\acute{o}\acute{A}\acute{U}zq$  TS ( $\acute{o}/\check{h}750\sim$ )  $\acute{A}\acute{E}\acute{L}\acute{A}\acute{E}\acute{o}j\grave{a}$   $\text{ch}\eta$   $B\acute{A}l\grave{a}$   $\acute{o}z\eta\acute{A}\acute{Z}l\acute{q}\grave{a}$   $\text{ch}\eta$   $\check{C}\acute{E}z\acute{A}\acute{O}$   $\check{C}\acute{E}t\acute{O}$   $\check{Z}$   $\acute{U}\check{G}\acute{E}\acute{u}z\check{C}\acute{R}\eta$   $\check{G}\eta\check{s}\acute{a}z\eta$   $\acute{U}\eta\acute{Y}\eta$  20  $\check{G}\acute{a}\acute{A}\acute{e}$   $\acute{a}\acute{a}\acute{O}\acute{A}$  TS ( $\acute{o}/\check{h}750\sim$ )  $\acute{A}\acute{E}\acute{L}\acute{A}\acute{E}\acute{o}j\grave{a}$   $\text{ch}\eta$   $B\acute{A}l\grave{a}$   $\acute{o}z\eta\acute{A}\acute{Z}l\acute{q}\grave{a}$   $\text{ch}\eta$   $\check{C}\acute{E}z\acute{A}\acute{O}$   $\check{C}\acute{E}t\acute{O}\grave{a}$   $\acute{o}z\acute{l}\acute{+}\acute{a}$   $\acute{a}\acute{O}\acute{L}$   $\text{ch}\eta$   $\acute{O}\eta$  20  $Z\acute{A}\check{\Sigma}$  . $\acute{O}\eta$  100  $\acute{o}\acute{A}\acute{E}\acute{O}\grave{a}$   $\text{I}Dz\acute{g}$   $8\acute{A}\acute{R}\acute{A}\check{s}$   $\acute{U}\check{M}\acute{E}tDz\acute{g}$   $\check{G}Dz\acute{o}\acute{A}\eta$   $\acute{O}\eta$  25  $\text{I}Dz\text{III}$   $\check{C}\acute{Y}DzZ\check{\Sigma}\acute{a}$   $B\acute{U}$   $Z\acute{A}\acute{A}\acute{t}\acute{j}$   $\acute{o}z\acute{l}\acute{+}\acute{a}$   $\text{ch}\eta$   $\acute{O}\eta$  10.0  $\acute{O}\acute{O}\acute{M}$  . $\acute{O}\eta$  100  $\acute{o}\acute{A}\acute{E}\acute{O}\grave{a}$   $\text{I}Dz\acute{g}$   $\acute{o}\acute{A}\acute{U}zq$  .R  $kDz\acute{E}\acute{O}j\grave{a}$   $\text{ch}\eta$   $B\acute{A}l\grave{a}$   $kDz\check{s}\acute{A}Q\acute{A}\acute{o}\acute{A}\grave{a}$   $\check{C}\acute{Y}DzZ\check{\Sigma}\acute{a}$   $\text{ch}\eta$   $\acute{o}\acute{a}zT\acute{a}$   $\acute{a}\acute{A}\acute{U}\acute{l}\check{s}$   $\acute{U}TS$   $\acute{o}z\eta\acute{A}\acute{Z}l\acute{q}\grave{a}/\acute{y}z\acute{E}\acute{o}\check{s}\acute{a}\acute{A}Q\acute{O}\acute{o}\acute{a}$   $\check{C}\acute{e}\acute{o}\acute{a}$   $\acute{o}z\acute{Y}T$   $\text{ch}\eta$   $\acute{O}\eta$  2.0  $\check{C}\acute{Y}DzZ\check{\Sigma}\acute{a}$   $\text{ch}\eta$   $\check{C}\acute{E}\eta\acute{A}\acute{o}$   $\acute{o}\acute{a}zT\acute{a}$   $\acute{a}\acute{A}\acute{U}\acute{l}\check{s}$  TS  $\acute{o}z\eta\acute{A}\acute{Z}l\acute{q}\grave{a}/\acute{y}z\acute{E}\eta\text{z}\eta\acute{U}$   $\acute{O}\acute{E}\acute{Z}\acute{E}\eta\acute{A}Q\acute{O}\acute{o}\acute{a}$   $\acute{A}\acute{E}\acute{E}\acute{O}\check{s}\acute{o}\acute{A}\acute{E}\acute{L}$   $\acute{o}z\acute{Y}T$   $\text{ch}\eta$   $\acute{O}\eta$  0.2  $g\acute{A}\acute{i}\acute{A}G\eta$   $8\acute{A}\acute{R}\acute{A}\check{s}$   $\check{C}z\acute{A}\acute{e}$  1  $g\acute{A}\eta$   $\acute{o}\acute{A}\acute{O}\acute{Q}\acute{e}\acute{Y}\acute{o}$   $\acute{o}\acute{A}Q\acute{k}\check{s}$   $\acute{U}Z\acute{U}\acute{y}\grave{a}$   $\acute{O}\acute{A}\acute{H}\acute{U}\acute{Q}\acute{o}\acute{A}\grave{a}$   $\check{g}\acute{A}l\text{z}\acute{Q}\acute{+}\acute{a}$   $\check{Z}\acute{A}Q\acute{U}$   $\acute{U}\check{C}\acute{Y}DzZ\check{\Sigma}\acute{a}$   $\acute{E}\acute{Y}8\acute{k}$  .R  $kDz\acute{E}\acute{O}j\grave{a}$   $\text{ch}\eta$   $B\acute{A}l\grave{a}$   $kDz\check{s}\acute{A}Q\acute{A}\acute{o}\acute{A}\grave{a}$  TS ( $\acute{o}/\check{h}750\sim$ )  $\acute{A}\acute{E}\acute{L}\acute{A}\acute{E}\acute{o}j\grave{a}$   $\text{ch}\eta$   $B\acute{A}l\grave{a}$   $\acute{o}z\eta\acute{A}\acute{Z}l\acute{q}\grave{a}$   $\text{ch}\eta$   $\check{C}\acute{E}z\acute{A}\acute{O}$   $\check{C}\acute{E}t\acute{O}$   $8\acute{A}\acute{R}\acute{A}\check{s}$   $\acute{U}\check{C}z\acute{A}\acute{E}\acute{a}$   $\acute{a}\acute{E}\acute{A}$  . $\acute{o}\acute{y}$  30  $\check{G}Dz\acute{o}\acute{A}\eta$   $\acute{U}\acute{A}\acute{H}\eta$   $\acute{y}\acute{A}\acute{P}$   $\check{Z}$  525  $\check{G}\acute{a}\acute{A}\acute{e}$   $\acute{U}tTz\acute{U}$   $\check{G}DzZ\eta$   $\acute{o}z\acute{U}\grave{a}$   $\text{I}\acute{e}$  1  $\check{G}\eta\acute{A}\acute{A}\acute{Z}\grave{a}$   $\check{G}\acute{O}\acute{G}\acute{u}$   $\acute{o}\acute{Y}\grave{n}$   $\text{ch}\eta$   $\acute{I}\acute{A}t\acute{Q}\acute{o}\acute{a}$   $\acute{a}\acute{A}\acute{O}\acute{A}$  . $\check{Z}\acute{A}\check{\Sigma}$   $\acute{U}\acute{O}\eta$  25  $\acute{o}\acute{A}\acute{E}\acute{O}\grave{a}$   $\text{I}Dz\acute{g}$   $\acute{o}\acute{A}\acute{U}zq$  ( $\acute{o}/\check{h}750\sim$ )  $kDz\acute{E}\acute{O}\acute{g}\acute{+}\acute{a}$   $\text{ch}\eta$   $B\acute{A}l\grave{a}$   $\acute{o}z\eta\acute{A}\acute{Z}l\acute{q}\grave{a}$   $\text{ch}\eta$   $\acute{O}\eta$  10  $\check{C}z\acute{A}\acute{H}\eta$   $\acute{A}\acute{R}T$   $\acute{o}z\acute{l}T$   $\text{z}\acute{V}z$   $\check{C}l\check{s}\acute{A}\check{\Sigma}\acute{a}$   $\acute{A}\acute{E}\acute{I}\acute{O}\acute{t}\acute{j}$   $gKDz\acute{g}$   $\acute{O}\acute{a}\acute{H}\eta$   $\acute{A}\eta\eta\text{z}\eta\acute{A}\eta$   $\check{G}\acute{o}z\text{H}\acute{A}\acute{t}\acute{j}$  RS  $J\check{s}\acute{a}\acute{I}\acute{Z}\eta$   $\acute{A}\eta\eta\check{G}\acute{o}\acute{a}$   $\check{g}\acute{A}K\acute{o}\acute{A}z$   $3\eta$   $\check{G}\eta\acute{o}\acute{A}\acute{O}\acute{t}\acute{j}\grave{a}$   $\check{G}\acute{o}z\text{H}\acute{A}\acute{t}\acute{j}$   $g\acute{A}\acute{I}\acute{t}\acute{j}$   $\check{Z}$   $C_{27}H_{37}FO_6$   $\check{C}\acute{E}t\acute{O}$   $\acute{A}\acute{E}\acute{E}\text{H}\acute{u}\acute{l}$  . $\acute{A}T\acute{E}\acute{A}\eta$   $\check{G}\acute{O}\acute{A}\acute{U}\acute{O}\acute{A}\grave{a}$  . $\text{ch}\eta\acute{A}Q\acute{o}\acute{a}\check{s}$   $\check{G}\acute{o}\acute{A}\acute{I}T\acute{j}\grave{a}$

øøøøø

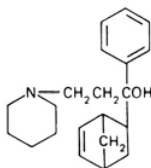
## BIPERIDENUM

Biperiden الببيريدن

$C_{21}H_{29}NO$  :Molecular formula  $\check{C}\acute{E}\acute{A}\acute{A}z\acute{a}$   $\check{G}8\acute{E}\acute{O}\acute{a}$

311.5 :Relative molecular mass  $\check{C}\acute{E}\acute{G}\acute{E}\acute{A}\acute{o}\acute{a}$   $\check{C}\acute{E}\acute{A}\acute{A}z\acute{a}$   $\check{C}\acute{Y}Q\acute{O}\acute{a}$

:Graphic formula  $\check{C}\acute{E}\eta\acute{A}\acute{E}G\acute{+}\acute{a}$   $\check{G}8\acute{E}\acute{O}\acute{a}$



:Chemical name  $\acute{U}\acute{A}\acute{E}t\acute{E}\acute{O}\acute{a}$   $\text{I}\acute{e}r\acute{a}$

$\alpha$ -5-Norbornen-2-yl- $\alpha$ -phenyl-1-piperidinepropanol;  $\alpha$ -bicyclo[2.2.1]hept-5-en-2-yl- $\alpha$ -phenyl-1-piperidinepropanol; CAS Reg. No. 514-65-8.



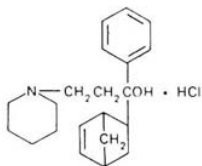
0.15 g R<sub>1</sub> HDZjōā Ōēējā Rē þ dñ Ōñ 30 Ž ŪēzūGRñ Ćpsāzn Ūñ.4 Ćāāē ā āŌŌ :Assay ĆĒĀŌtā  
 Ūvs (ō/ōzn 0.1) ŌlōzīōKōō Rē þ ōzīHñ ĀĀHñ ĀĪtō 1-naphtholbenzein/acetic acid TS ōzīT dñ Ōñ  
 ĒŌā) A ĆŌĀŪōā ĒĒW Ū"Non-aqueous titration HñYōā Ūēzōā Ž gĀĀtā" jzāz KŌ 8zōzn zĒñ ĒĒW  
 .C<sub>21</sub>H<sub>29</sub>NO dñ Hñ 31.5 ūāŌĀ vs (ō/ōzn 0.1) ŌlōzīōKōō Rē þ dñ Ōñ 1 Ōō .(142 ĆHĀŌōā Ū1

### Additional requirement for Biperiden for parenteral use

Ø Ø Ø Ø Ø

**Biperiden hydrochloride** DžĩŕĩĩŕĩĜĩĜĩE ŕĩŕNj#|Njŕŕĩj

**Graphic formula** 



$\alpha$ -5-Norbornen-2-yl- $\alpha$ -phenyl-1-piperidinepropanol hydrochloride;  $\alpha$ -bicyclo[2.2.1]hept-5-en-2-yl- $\alpha$ -phenyl-1-piperidinepropanol hydrochloride; CAS Reg. No. 1235-82-1.

.R 0zφÄžEtā Ž 1 ÄæšÓöā



8zòzη zŁĀ ĄĒĒŰvs (ò/òzη 0.1) ŌłóçŸōšKōō RŁŰ ĀĀĤĤ .1-naphtholbenzein/acetic acid TS  
 Ōη 1 Ōō .(142 ĢĤĀŌō Ű1 ĄŸŌā) Ā ŌŌĀŰōō ĄĒĒŰ Ű"Non-aqueous titration ĤĀĤŸōō Űēzōō Ž gĀĀĤĤ" JāzĀz  
 .C<sub>21</sub>H<sub>29</sub>NO,HCl đη ĤĤη 34.79 ŰzĀŌĀ vs (ò/òzη 0.1) ŌłóçŸōšKōō RŁđ đη  
 00000

## BLEOMYCINI HYDROCHLORIDUM

**Bleomycin hydrochloride** DžĤzŸĐŽŸĤ+ĢĤĤ ąĤđŸĤ+ĤĤđŸĤĤ

(non-injectable DžsŌĤ ŰĢŸĤĤ đĤz) DžĤzŸĐŽŸĤ+ĢĤĤ ąĤđŸĤ+ĤĤđŸĤĤ

**Sterile** !ŸŸĤĤ ŰĐžzŸĐŽŸĤ+ĢĤĤ ąĤđŸĤ+ĤĤđŸĤĤ

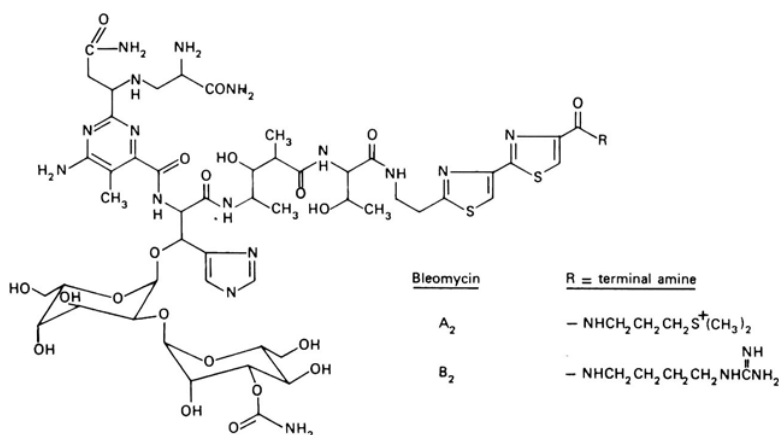
ĢĤĤĤĤĤ žŸ Đz ĤŸĤ āāzη ĤĀĤ BĀłóçŸōšŌĤĤ ĢŸĤ zŁ kĒĤŸŸŸōō ĄłóçŸōšŌĤĤ :Composition ĄĒŌĀŌō  
 CAS Reg. ŰB<sub>2</sub> kĒĤŸŸŸōō A<sub>2</sub> kĒĤŸŸŸōō Ąz ĤĀĤŸŌ JĄĒĒĀŌō JĄŸŌĤĤ .*Streptomyces verticillus* ĢĤŸŸŸōō  
 .No. 67763-87-5

.C<sub>55</sub>H<sub>84</sub>N<sub>17</sub>O<sub>21</sub>S<sub>3</sub>,Cl :A<sub>2</sub> kĒĤŸŸŸōō ĄłóçŸōšŌĤĤ :Molecular formula ĢĒĀĀzĀ ĢŸŌŌō

.C<sub>55</sub>H<sub>84</sub>N<sub>20</sub>O<sub>21</sub>S<sub>2</sub>,HCl :B<sub>2</sub> kĒĤŸŸŸōō ĄłóçŸōšŌĤĤ

ĄłóçŸōšŌĤĤ Ű1452 :A<sub>2</sub> kĒĤŸŸŸōō ĄłóçŸōšŌĤĤ :Relative molecular mass ĢĒĒĀō ĢĒĀĀzĀ ĢŸŸŌō  
 1461 :B<sub>2</sub> kĒĤŸŸŸōō

:A<sub>2</sub>/B<sub>2</sub> bases kĒĒĒĵĀ B<sub>2</sub>/A<sub>2</sub> kĒĤŸŸŸōō ĢĒĒĒĵĀ ĢŸŌŌō











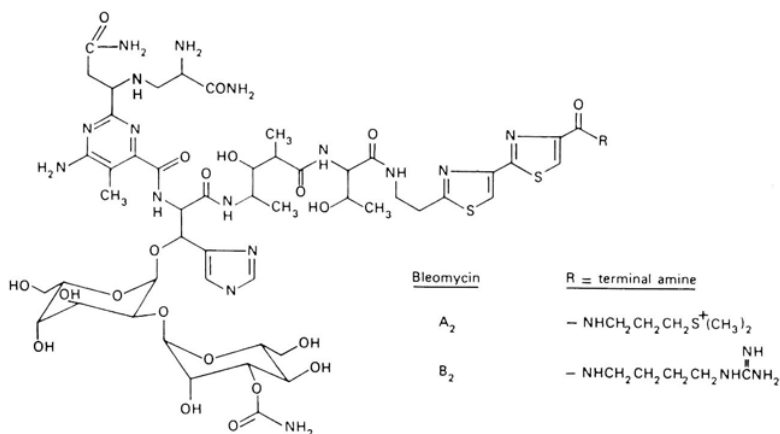


Chemical structure of Bleomycin A<sub>2</sub> sulfate (salt) is shown. The structure is a complex glycoside consisting of a bleomycin core (a 2,3,4,5-tetrahydro-2H-pyrimidin-2-one derivative) linked to a 2,3,4,5-tetrahydro-2H-pyrimidin-2-one derivative via a glycosidic bond. The bleomycin core is further substituted with a 2,3,4,5-tetrahydro-2H-pyrimidin-2-one derivative and a 2,3,4,5-tetrahydro-2H-pyrimidin-2-one derivative. The bleomycin core is further substituted with a 2,3,4,5-tetrahydro-2H-pyrimidin-2-one derivative and a 2,3,4,5-tetrahydro-2H-pyrimidin-2-one derivative. The bleomycin core is further substituted with a 2,3,4,5-tetrahydro-2H-pyrimidin-2-one derivative and a 2,3,4,5-tetrahydro-2H-pyrimidin-2-one derivative.

**Molecular formula** C<sub>55</sub>H<sub>84</sub>N<sub>20</sub>O<sub>21</sub>S<sub>2</sub>·HCl

**Relative molecular mass** 1524

**B<sub>2</sub>/A<sub>2</sub> bases** B<sub>2</sub>/A<sub>2</sub>



**Chemical name** Bleomycin A<sub>2</sub> sulfate

Bleomycin A<sub>2</sub> sulfate: N<sup>1</sup>-[3-(Dimethylsulfonio)propyl]bleomycinamide hydrogen sulfate; [3-[2'-[2-[(2S,3R)-2-[(2S,3S,4R)-4-[(2S,3R)-2-[6-amino-2-[(1S)-1-[[[(2S)-2-amino-2-carbamoyl-ethyl]amino]-2-carbamoyl-ethyl]-5-methyl-4-pyrimidin-5-carboxamido]-3-[[2-O-(3-O-carbamoyl-α-D-mannopyranosyl)-α-L-gulopyranosyl]oxy]-3-imidazol-4-ylpropionamido]-3-hydroxy-2-methyl-valeramido]-3-hydroxybutyramido]ethyl][2,4'-bithiazole]-4-carboxamido]propyl]dimethylsulfonium hydrogen sulfate.

Bleomycin B<sub>2</sub> sulfate: N<sup>1</sup>-(Guanidinobutyl)bleomycinamide; (βS)-4-amino-β-[[[(2S)-2-amino-2-carbamoyl-ethyl]amino]-6-[[[(1S,2R)-2-[[2-O-(3-O-carbamoyl-α-D-mannopyranosyl)-α-L-gulopyranosyl]oxy]-1-[[[(1R,2S,3S)-3-[[[(1S,2R)-1-[[2-[4-[(4-guanidinobutyl)carbamoyl][2,4'-bithiazol]-2'-yl]ethyl]carbamoyl]-2-hydroxy-propyl]carbamoyl]-2-hydroxy-1-methylbutyl]carbamoyl]-2-imidazol-4-ylethyl]carbamoyl]-5-methyl-2-pyrimidin-5-propionamide sulfate (salt); N<sup>1</sup>-[4-[(aminoiminomethyl)amino]butyl]bleomycinamide sulfate (salt).

**Description** Z 020

**Solubility** Soluble in water

**Category** Cytotoxic

. $\bar{y}$ ÁÓgũă ĞŌŷ8η ĞΛšÁg Ž kĒĒηzĒŸGōā gĀĀŷè ŠÁg Ēz :Storage dĀĀĀQōā  
 ŌDZj ĞēzĀr̄qā gĀGŸŪQōtā ƳøGŸk gÁġtā jŭ Bŭ ĞtĒŌHōā kĒĒηzĒŸGōā gĀĀŷè ĞtĒĒQōā KĪĲ :Labelling lĒèzQōā  
 .?Āh̄jā ĞtĒŌHōā gĀŌŸGŪQōā ŌDZj šĭ ƳøĀŌΣā ōĀŪ3Rŏ ŌtĒHŌĒk jŭ dŌŸš ĞtĒŌHōā kĒĒηzĒŸGōā gĀĀŷè  
 āĪĀQēēš Ēŷzā 3η āĪtQōā ĒĪŌš BĒĀjĀ kĒĒηzĒŸGōā gĀĀŷè ŌηĀĤĪ ĀηĒĀ3 ĞĀĀĤōāš ōŌΣā Ƴh̄zĲ Ēz :ĀĪŌŌ  
 .ōāzTĀā ĞŏzŌĀtā gĀtĒĒzā

# REQUIREMENTS KġũŌškdž!f

zŷ Ū ĞĒĀŌtā ĒĒŲ ŌHĀk ĀηĒĀ3 ŪkĒĒηzĒŸGōā gĀĀŷè BzŌŌ :General requirement ŷĀĤōā ĒŷŪQōā  
 gÁġtā Bŭ t̄zDZĀŏĀā ĞēzĒT Ūŋŷ 1 Ōŏ Ž B<sub>2</sub>/A<sub>2</sub> kĒĒηzĒŸGōā dη Ğēšā gĒgš 2000 d3 ĒĀĀĀ fš 1500 d3 ŌŌĀ fĀη  
 .ĞĀĀŌā

ĒĀĀĀ fš %55.0 d3 ŌŌĀ fĀη zŷ ŪB ĞĒĀŌtā ĒĒŲ ŌHĀk ĀηĒĀ3 ŪkĒĒηzĒŸGōā gĀĀŷè BzŌŌ ŪŌŏā dη Āžŏŭ  
 t̄ztf jzŌĀ f ŪB<sub>2</sub> kĒĒηzĒŸGōā dη %32.0 d3 ĒĀĀĀ fš %25.0 d3 ŌŌĀ fĀηš ŪA<sub>2</sub> kĒĒηzĒŸGōā dη %70.0 d3  
 B<sub>4</sub> kĒĒηzĒŸGōāš Ū%7.0 dη Āžŏŭ A5 kĒĒηzĒŸGōā ?zŌT jzŌĀ fš .%85 dη Ōēĭ B<sub>2</sub> kĒĒηzĒŸGōāš A2 kĒĒηzĒŸGōā  
 .%3.0 dη Āžŏŭ demethylbleomycin Ōēēēē t̄šĀŌĀ A<sub>2</sub> kĒĒηzĒŸGōāš Ū%1.0 dη Āžŏŭ

## :Identification tests ġŷŊŷŊŷ lēpfġŲē

ŪTs (ŏ/h̄160) (II) āĀĤōā gĀĀŷè ōzŷT dη ĀŌš ĀŌη 5 8ĪRĀš ŪŏĀ Ōη 10 Ž ŋŷ 5 ĞāĀē āŏŌĀ A  
 ĞDZtā ōzŪā kĒtTzĭ kŏĀŌŲā ĞēDzĒĀGōā āzĲ ĞĤĭjā Ž ĪĀŌŲfā ZēŪ BĒĀĀ ŪŌη 100 zŏŲg ōĤĪā ZĀšš  
 .ĀŲzŲĀŲ 268 ĞāĀē ĞDZtā ōzŪā ĤĀ8ŏŭ ĤŏĀŌŲāš ŪĀŲzŲĀŲ 290 ĞāĀē ĞDZtāš ĀŲzŲĀŲ 242 ĞāĀē  
 General ĞŲĀĤōā 8 āĀŲŌēēfā "gĀŏĀŲā" jāzĀ3 KŌ 8zŏzġā A Ō3ĀĀŲā Ōŋ/ŋŷ 10 ĒēŌĀŲā ōzŷ+ā ƳŪĤĀ B  
 .(123 ĞĤĀŌŲā Ū1 ĒŷŌā) gĀĀŷēŷŏ ĀġtĲ Ō3ĀĀŲā "identification tests

šĭ ōĀŌēēēzŷēŏ 0.6 d3 ĒĀĀĀ f) RĀĀĀ Ū8r̄ KŌ ōŷ 60 ĞDZŏĒē ZĀz :Loss on drying ZĒDzŲŏĀā ĒēŌĀā  
 .ĥ/ŋŷ 60 dη Āžŏŭ ĒēŌĀ f ŪgĀzĀē 4 gĒŷ (ĒĞā lŷ 5 ĞāĀē  
 .6.0-4.5 ŪŌŋ/ŋŷ 5.0 ĒēŌĀŲā ōzŷ+ā ōĀĒĀ ŋŷĜĀ :pH value ōĀĒĀŲā Ğtēē

10 Ž āŏŲš Ōη 60 lDzŲ ŌŌz 3tē Bŭ ŪĞēŷzĞRĲ ĞŲšāzŲ Ūŋŷ 75 ŌŌĀ :Copper content āĀĤōā ?zŌT  
 ŌŌz 3tē Bŭ TS2 BŏĤĤā āĀĤōā ōzŷT dη Ōη 10 ŌŌĀ .TS (ŏ/ŏzŷ 0.1) ŌŏzŷŏšŏĒēTā Rē dη Ōη  
 .ĞŌēēā 1 gĒŷ gĒĪā Rēšš Zinc bis (dibenzylidithio carbamate TS ōzŷT dη Ōη 10 kĤŌŷŏ 8ĪRĀ .ŽĀr̄ŭ  
 gĀĀĀ t̄ŌŌŌ R ĞēĀŲŷā ŷzĀzŌŏā gĀĀŷè dη ĥ1 Ƴ3 zŷĒēŷā ĞŌGŪā ĞĭĀk .ĀtRĤā d3 jŷŌĀĀŲ jĀŲŲŲā ŌĀŲ

Ἐἰς τὴν ἰσοσταθμίσαν ἀποσπᾷται 435 ὁμογενεῖς ὑποκείμενα ἡλικίας 1 ἔτος καὶ ὑποβάλλονται ἐν ἑνὶ ἡμέρᾳ εἰς τὴν ἰσοσταθμίσαν. Ὁ ὅλεος ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας καὶ ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας.

Ὁ ὅλεος ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας καὶ ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας. Ὁ ὅλεος ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας καὶ ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας. Ὁ ὅλεος ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας καὶ ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας.

### Ἐνδεικτικὰ ὁδοιπορτικὰ

Ἐνδεικτικὰ ὁδοιπορτικὰ ἡλικίας 1 ἔτος καὶ ὑποβάλλονται ἐν ἑνὶ ἡμέρᾳ εἰς τὴν ἰσοσταθμίσαν. Ὁ ὅλεος ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας καὶ ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας. Ὁ ὅλεος ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας καὶ ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας. Ὁ ὅλεος ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας καὶ ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας.

Ἐνδεικτικὰ ὁδοιπορτικὰ ἡλικίας 1 ἔτος καὶ ὑποβάλλονται ἐν ἑνὶ ἡμέρᾳ εἰς τὴν ἰσοσταθμίσαν. Ὁ ὅλεος ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας καὶ ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας. Ὁ ὅλεος ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας καὶ ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας. Ὁ ὅλεος ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας καὶ ἀποσπᾷται ἀπὸ τῆς ἰσοσταθμίσας.

100 QEW ðÀH0tj ðzÛð òÁG00 ÇGèÁÁ ÇEÛh Ç3Àè yðÁÁQèÁ Ûòz0Áÿtj ðñ yzDz 4s pentanesulfonic acid  
 2ÿ3 ðzÔHÿð ðÀH0tj ðzÛð BÛ BÀQð 8ÁRÀ ÛÀñj ÿÁò ðæÛ) .ÇÕËá 60 gÁñ òYh ÇEÁÁÁÀ ÇEðÀQð BÛ ðzðzð  
 ZËÛð ðÁEÛñ yÁÁQÈÁ detector 8ÁÎÔðð. (ÀQ01 Òð Ž R yzÁÁzÔð ãÁQÁEÛ ðñ ĥ 1.86 :ðzGÛ ðÁÁÎQè  
 ÀÔñ 20-8) RÁÁÁñ 1Dz 3 ðæ ðÁEËð ÇEYV ÁÁÁÛÀQñz0254 ÇÁÁÇ GDZñ ðzÛ ÇEDzEÁGð ðz ÇĤÿj ð Ž ÛzRð  
 ðñ ÇEðá ðÁÁÁ 5 òÁÁÁ Áñ 2ÿ3 BðÁΣ ðÁj Ž ðÁQññf ðÁÁñ ðzÿT ðñ ÀQðSÀÔñ 5 ðÛ3 .(ÇEYñ ðĤĤ ÀQðS  
 ðÀH0tj ðzÛð jÁÁñ Nÿ 3ñ Úgradient elution 3ððÁEÛ ÀÁEÿ ZÛÎðÁ ÒTĤð 100 .Òñ1 Òð Ž kÈEñzEYð  
 .ÏËÿtj tðÁðÁ A2 kÈEñzEYð ZÛÿ 100 2ðQ 5Û ÇÕËá 80 ÇÁÁÇ gÁñ ÁÁQÛ gðzðÛtj fðÁÎðÁ  
 Úbleomycin acid RðTð kÈEñzEYð ÚVoid ÒÛÁ 1Dz :BÀQðð zE kÈEñzEYð ðÁQñ ZÛÿ ÁEĤÁ jÛ  
 .ÏËÿtj tðÁðÁ A2 kÈEñzEYð ÚB4 kÈEñzEYð ÚA5 kÈEñzEYð ÚB2 kÈEñzEYð ÚA2 kÈEñzEYð  
 2ðð Òð ðÁÁÁZÛ areas ðÁÁÁ ÁEË ÇððÁÔñ ÚkÈEñzEYð ðÁQñ ðñ jzÔñ Òð 2zQ+ ÇÁÁj ÇEÁð ÁEË  
 .ðÁEñzEYð Òð ÇEYð ÇÁÁÇ 3ñ peaks

h0DÿsyE DžizĐZñÿ+ÇE 1F2+2 üWÛ hÿFÿTð 1FÇ+ÛDž

#### Additional Requirements for Sterile Bleomycin Sulfate

.ðzTÿ 100 zÛ 2ÿ3 ÇÕYñ ÇÁÁÇ Ž ÇTĤð kÈEñzEYð ðÁÁÈ SÁÇ ÁZ :Storage ðÁÁÁQð  
 jzÁ3 KÛ 8zðzñ zE Áð ðÁQññf EÇÛ :Histamine-like substances kñÁQÈEYð ÇðÁÎtj ázÿtj  
 yðÁÁQèÁ (167 ÇHÁÔ Û1 ÁYð) "Test for histamine-like substances kñÁQÈEYð ÇðÁÎtj ázÿtj ÒDzj ðÁQññf"  
 .Ôñ 1 Òð Ž ÇEðá gÁÇ 500 ùzÁÔ ÇEð Bz3 TS ÛHÿñ ðzÿT ðñ 1Êz ðYð ðñ 1Ûð 1 Òð Òñ 1  
 Sterility testing of ÇÁZΣ ðÁÁÁRÿ ÇñÁÔĤð ðÁQññ" jzÁ3 KÛ áðs Át ÁEDzQÈK :Sterility ÇñÁÔĤð  
 .ðÁÎðÁ ÇEÿÀQð ðÁQññ ðÁðÁDZÛ EÇÛQ (162 ÇHÁÔ Û1 ÁYð) "antibiotics

!ÿsyE üFDzÿt üÛ YñYðE DžizĐZñÿ+ÇE 1F2+2 üWÛ hÿFÿTð 1FÇ+ÛDž

#### Additional Requirements for Bleomycin Sulfate for Sterile use

Test for Sterility of non- ðÔHÿð ÇYðÁÔð Kð ðÁÁRĤÿtj ÇñÁÔ3 ÒDzj ðÁQññ" jzÁ3 KÛ áðs Át ÁEDzQÈK  
 .(ÇÁEÿQð ÇĤÇÛ Ž 32 ÇHÁÔ Û5 ÁYð ÁTð) "injectable preparations  
 ÒDzj ðÁQññ" jzÁ3 KÛ 8zðzñ ðÁQññf EÇÛ :Bacterial endotoxins ÇEñzQÁz ÇEYñÁEð ðÁÁÁÔð  
 Bz3 f Ü(ÇÁEÿQð ÇĤÇÛ Ž 30 ÇHÁÔ Û5 ÁYð) "Test for bacterial endotoxins ÇEñzQÁz ÇEYñÁEð ðÁÁÁÔð  
 .kÈEñzEYð ðñ 1Ûð 1 Òð Ž RS ÛYñÁEð jÁÁÔð ðñ ÇEðá ðÁÁÁ 10.0 ðñ ÁÿÛ

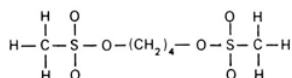
## BUSULFANUM

**Busulfan** DžF2#2 NjĠ

$C_6H_{14}O_6S_2$  :Molecular formula ĢĒĀĀzā Ģ8ĒŌōā

246.3 :Relative molecular mass ĢĒĢĒāōā ĢĒĀĀzā ĢŸQŌōā

:Graphic formula ĢĒqĀĒĢtā Ģ8ĒŌōā



:Chemical name ȮāĤĤŌōā ĩĒrā

1,4-Butanediol dimethanesulfonate; tetramethylene dimethanesulfonate; CAS Reg. No. 55-98-1.

.Myelosanum ŸzŋĀĒzŸĒ :Other name Āñġā ĩĒrā

.RĒĀĳ ĩzŸā BóŸŸā āzĤŪĒĒ :Description ZŌzōā

òzŋĀĳĳā Ž ĩĀšŌōā ŌĒŸġ ŪR ĩzŋĒġā Ž ĩĀšŌōā ŌĒŸġ ŪĤĒZ ōĤā Ž ĩĀšŌōā ĢĤŪĳ :Solubility ĢĒqĀšŌōā

.TS (ŏ/ĥ750~)

.Cytotoxic ĀŸĀŸŏ ŸĀĒ ōāšā :Category ĢĀĀōā

.òzRōā ĩŋ ĢĤĤ ŪŸĀŌġāĒ ĢŸ8ŋ ĢĤāġ Ž ĩĀŸĒzōā ŠĀġ Ēz :StorageĳĀĀŌōā

BĒĤĳĀ ĩĀ ĩĀŸĒzōā ŌŋĀĤĤ ĀŋĒĤ ĢĀĀĤōāš ōŌΣā ŨñŸĤ Ēz :ĀĴŌ :Additional information ĢzĳĳŪ ġĤŋŸŸĤ

.ōāzŤĀĒ ĢŏzŌĤĳ ġĤĤĒzā āĀĤĀŌēš ĒŸzā ĩŋ āĤŌōā ĒĤŌ ĩŋ

### REQUIREMENTS KĢŋŌkđŸf

ĳŋ %100.5 ĳ3 ĒĤĤ Ĥš %98.5 ĳ3 ŌŌĤ ĤĤĤ ĤŸ3 ĩĀŸĒzōā BzŌ3 :General requirement ŸĀĤōā ĒŸŪŌġā

.ĢĀĀŌā ġĀĤĳ BŪ ŸzDZĀŌĀĒ ĢzĒĤ ŪC<sub>6</sub>H<sub>14</sub>O<sub>6</sub>S<sub>2</sub>

:Identification tests ĤŸŸŸŪĤĤ ĤĤŸĢŪĤĤ

ŤŸ3 ōzŌΣā ŤŌŌġ vs (ŏ/ŏŸŋ 1) ŸzĤāzŌōā ĒĒĒŏšŌĒĒ ōzŸĤ ĳŋ Ōŋ 5š ōĤŋ Ōŋ 10 ĩŋ ĥŏ.1 ĳĀĒĤ :A

ŏzŸĤā āĒĤ .ĤĤŌā ōāōĀRŏ ĢŸĤġ methanesulfonic acid ŌĤŋŸĀŸĒ ĩŸĤĳ RĤΣ ġĒĤĒĳ ĢĤāŏš šĒĢĤ Ū8Āŏ ōzŸĤ

.B ōĤŋŸĤ ŌDZĳ KŏāĤĤŋ KĤā KĀDZ BŪ ĤĒŌĤš

ŸzĤĒĤzōā ġĤĤĤĤĤ ōzŸĤ ĳŋ Ōŋ 0.05 ōāĒŌŋ A ōĤŋŸĤ Ž ĀRĤā ōzŸĤā ŪĀDZ Ēġĳ BŪ 8ĀĤĤ :B

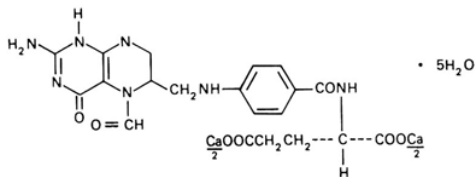








:Graphic formula  $\check{G}e\check{p}A\check{E}G\check{t}\check{a} \check{G}8\check{E}\check{O}\check{o}\check{a}$



:Chemical name  $\check{U}\check{o}A\check{E}t\check{E}\check{O}\check{o}\check{a} \check{J}\check{e}r\check{a}$

Calcium *N*-[*p*-[[[(2-amino-5-formyl-5,6,7,8-tetrahydro-4-hydroxy-6-pteridinyl)methyl]amino]benzoyl]-L-glutamate (1 : 1) pentahydrate; calcium *N*-[4-[[[(2-amino-5-formyl-1,4,5,6,7,8-hexahydro-4-oxo-6-pteridinyl)-methyl]amino]benzoyl]-L-glutamate (1 : 1) pentahydrate; CAS Reg. No. 6035-45-6 (pentahydrate).

.Leucovorin calcium  $\check{d}l\check{o}z\check{z}\check{z}\check{O}z\check{V}\check{o}\check{a} \check{y}z\check{E}\check{o}\check{A}\check{O}\check{o}\check{a}$  :Other name  $\check{A}\check{n}\check{e}\check{a} \check{J}\check{e}r\check{a}$

. $\check{G}H\check{u}\check{o}\check{a}\check{A}\check{o}\check{a} \check{C}\check{A}3 \check{U}\check{U}\check{E}\check{A}\check{O} \check{R}\check{e}\check{A}\check{U} \check{s}\check{U} \check{R}\check{e}\check{A}\check{U} \check{J}z\check{V}\check{a} \check{a}z\check{H}\check{U}\check{E}\check{n}$  :Description  $Z\check{o}z\check{o}\check{a}$

. $\check{H}\check{e}V\check{t}3 \text{ TS } (\check{o}/\check{h}750\sim) \check{o}z\check{q}\check{A}\check{J}\check{l}q\check{a} \check{Z} \check{a}\check{a}\check{s}\check{a} \check{K}d \check{U}\check{H}\check{E}DZ \check{o}\check{A}\check{t}\check{a} \check{Z} \check{a}\check{a}\check{s}\check{a}$  :Solubility  $\check{G}\check{e}p\check{A}\check{E}\check{S}\check{O}\check{o}\check{a}$

.Cytotoxic  $\check{A}\check{M}\check{Y}\check{A}\check{V}\check{o} \check{y}\check{A}\check{E} \check{o}\check{a}\check{s}\check{a}$  :Category  $\check{G}\check{A}\check{A}\check{O}\check{o}\check{a}$

. $\check{o}z\check{R}\check{o}\check{a} \check{d}n \check{G}\check{e}t\check{T} \check{U}\check{y}\check{A}\check{O}\check{g}\check{u}\check{a} \check{G}\check{O}\check{V}8\check{n} \check{G}\check{A}\check{S}\check{A}\check{g} \check{Z} \check{y}z\check{E}\check{o}\check{A}\check{O}\check{o}\check{a} \check{g}\check{A}\check{E}\check{o}z\check{z} \check{S}\check{A}\check{g} \check{A}ez$  :Storage  $\check{d}l\check{A}\check{A}\check{Q}\check{o}\check{a}$

$\check{g}\check{A}\check{E}\check{o}z\check{z} \check{O}\check{n}\check{A}\check{H}\check{I} \check{A}\check{n}\check{E}\check{A}3 \check{G}\check{A}\check{A}\check{H}\check{o}\check{a}\check{s} \check{o}\check{O}\check{\Sigma}\check{a} \check{U}\check{n}z\check{k} \check{A}ez$  :Additional information  $\check{G}\check{e}z\check{A} \check{r}\check{U} \check{g}\check{A}\check{n}z\check{Y}\check{H}\check{n}$

. $\check{o}\check{a}z\check{T}\check{A}\check{a} \check{G}\check{o}z\check{O}\check{A}\check{t}\check{a} \check{g}\check{A}t\check{E}\check{E}z\check{a} \check{a}\check{A}\check{I}\check{A}\check{Q}\check{e}\check{s} \check{A}\check{Y}z\check{a} 3\check{n} \check{a}\check{A}t\check{Q}\check{o}\check{a} \check{A}E\check{A}\check{O}\check{s} \check{B}\check{A}\check{L}j\check{a} \check{y}z\check{E}\check{o}\check{A}\check{O}\check{o}\check{a}$

# REQUIREMENTS $K\check{d}u\check{I}\check{O}k\check{d}z\check{I}f$

$\check{d}3 \check{A}\check{E}\check{A}\check{A} \text{ r}\check{s} \%95.0 \check{d}3 \check{O}\check{O}\check{A} \text{ r}\check{A}\check{n} \text{ r}\check{Y}3 \check{y}z\check{E}\check{o}\check{A}\check{O}\check{o}\check{a} \check{g}\check{A}\check{E}\check{o}z\check{z} \check{B}z\check{Q}\check{O}$  :General requirement  $\check{y}\check{A}\check{H}\check{o}\check{a} \check{A}\check{E}\check{Y}\check{U}\check{Q}\check{u}\check{a}$

.anhydrous  $\check{G}\check{e}\check{A}\check{A}\check{n}\check{Y}\check{o}\check{a} \check{g}\check{A}\check{A}\check{t}\check{a} \check{B}\check{U} \check{t}z\check{D}Z\check{A}\check{o}\check{A}\check{a} \check{G}\check{a}z\check{E}\check{T} \check{U}C20H21CaN7O7 \check{d}n \%105.0$

:Identification tests  $\check{G}\check{A}z\check{T}\check{a} \check{g}\check{A}\check{o}\check{A}\check{Q}\check{o}\check{n}\check{a}$

. $\check{D}\check{s} \check{C}\check{s} \check{B} \check{g}\check{A}\check{o}\check{A}\check{Q}\check{o}\check{n}\check{r}\check{a} \check{s}\check{U} \check{C}\check{s} \check{A} \check{J}\check{A}\check{o}\check{A}\check{Q}\check{o}\check{n}\check{r}\check{a} \check{A}\check{n}\check{U} \check{E}\check{G}\check{U}\check{A} \check{J}\check{U} \check{d}\check{O}\check{E} \bullet$

$\check{o}\check{a}\check{A}t\check{\Sigma}\check{a} \check{K}\check{O} \check{G}\check{H}\check{i}j\check{a} \check{G}\check{O}\check{U}\check{A}\check{n} \check{Z} \check{U}z\check{R}\check{o}\check{a} \check{Z}\check{E}\check{U}\check{o}\check{a} \check{a}\check{A}\check{E}\check{s} \text{ " } \check{J}\check{A}z\check{A}3 \check{K}\check{O} 8z\check{o}z\check{n} \check{z}\check{E} \check{A}t\check{O} \check{O}\check{H}\check{u}\check{A}\check{o}\check{a} \check{E}\check{G}\check{U}\check{A} \text{ :A}$

$\check{K}\check{O} \check{G}\check{H}\check{i}j\check{a} \check{Z} \check{i} \check{A}\check{O}\check{q}\check{n}\check{r}\check{a} \check{Z}\check{E}\check{U} \check{E}\check{A}\check{A}\check{U}\check{Q}\check{A} .(43 \check{G}\check{H}\check{u}\check{A}\check{O}\check{o}\check{a} \check{U}\check{1} \check{A}\check{Y}\check{O}\check{a})$  "Spectrophotometry in the infrared region

$\check{g}\check{A}\check{E}\check{o}z\check{A}\check{o}$  reference spectrum  $\check{U}\check{H}\check{D}Z\check{A}\check{t}\check{a} \check{Z}\check{E}\check{U}\check{o}\check{a} 3\check{n} \check{s}\check{U} \text{ RS } \check{y}z\check{E}\check{o}\check{A}\check{O}\check{o}\check{a} \check{g}\check{A}\check{E}\check{o}z\check{z} \check{d}n \check{J}\check{A}\check{A}\check{o}\check{a} \check{Z}\check{E}\check{U}\check{o}\check{a} 3\check{n} \check{o}\check{a}\check{A}t\check{\Sigma}\check{a}$

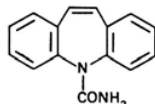
. $\check{y}z\check{E}\check{o}\check{A}\check{O}\check{o}\check{a}$

$\check{d}n \check{O}\check{n} 0.5\check{s} \text{ TS } (\check{o}/\check{h}70\sim) \check{O}\check{l}\check{o}z\check{i}\check{O}\check{s}\check{O}\check{A}\check{E}\check{T}\check{a} \check{R}\check{e}\check{p} \check{d}n \check{O}\check{n} 0.5 \check{8}\check{A}\check{R}\check{A} \check{U}\check{o}\check{A}\check{t}\check{a} \check{d}n \check{O}\check{n} 3.0 \check{Z} \check{n}\check{i}\check{n} 20 \check{a}\check{A}\check{O}\check{A} \text{ :B}$

.TS (ó/ñ100~) ÿzÁázÔöä ġÄÄQp ózÝT  
 ózÝ†ä Jzö ózHqΛs ÄÄÖü – UøÄä Jzÿä Ģäíèñ sÄÉk Ü2-naphthol TS1 dñ Öñ 1.5 8ÄRΛs ĢÖēá 2 gÄñ ÒÄí  
 .ÄRñjā BÜ  
 Ģäíèñ ÖÖÎQk ÜTS (ó/ñ25) ÿzÄqzñjā ġrÄÊÖü ózÝT dñ 1.0 8ÄRΛs öÄtā dñ Öñ 2.0 Ž Ñÿñ 20 āāÖΛ :C  
 Òð Ž āsÖk Öä ÜTS (ó/ñ260~) ÄÄqzñjā Ž r s TS (ó/ñ300~) ÖÖējā Òð Ž āsÖk r UøQöä ÜöÄRÄä  
 .TS (ó/ñ70~) ÖözÿðsöÄETā  
 Ģäíèñ ÖÖÎQk ÜTS (ó/ñ40) ĢÄöä ġÄÄQp ózÝT dñ Öñ 1.0 8ÄRΛs öÄtā dñ Öñ 5 Ž Ñÿñ 20 āāÖΛ :D  
 .Ģäíèñöä āsÖk ÜTS (ó/ñ130~) ÖÖÄQöä Òð dñ ġÄÄÜē 3Rä 8ÄRΛ .RÄäÜ Jzÿä curdy  
 Determination of water by ÄÎÉz ööÄÖ ĢÖÄÜä öÄtā kÄÄ" JäzΛ3 KÖ 8zðzñ zL ÄtÖ dñññ :water öÄtā  
 ZzÝT ÖÖΛ r ÜgÄtā dñ ñ0.2 ĢäÄē yäÄÄQèñä Ü(145 ĢHÄÖöä Ü1 ÄÿÖä) A ĢÖÄÜöä ÄÊÜ "Karl Fischer method  
 .ñ/ñ0.150 d3 ÄÄÄΛ r s ñ/ñ0.080 d3 öÄtā  
 .packing material gZ ÎΣä gÄñ ÄÊÜ A ÄÖQEtā özÜöä yÄÄQÄΛ :Assay ĢÄÄÖtā  
 öÄ3s Ž ĢÄÖÖtā ÄDzÄk ÜġäöÄDZrā ÖÄÄk öYñ deionized water ġÄqzΛjā t sÄøÄñ žÄÄü öÄñ yÄÄQÄΛ  
 .öZRöä dñ yzÄÊÖäÖöä ġÄÄözz zÿ3 ĢΛsΣä ÖöÄ†ä zÄHü sÜ Low-actinic glassware ĢÄÄQÖjā ÒÄÄÄñ UZÄDZä  
 .ÖÄzÜ 3ÜÖñ Zēz J sÄ ĢÄÖÖtā ÖtÖQÄÄ  
 JäzΛ3 KÖ 1 ÄÿDzÄVö ĢÿÉtÖQöä ġYÄÄHÖöä Ž 377-373 ġHÄÄÖöä Ž 8zðzñ zL ÄtÖ öÄQñrā ÄGÜÄ  
 30 özÜ Bē äzt3 yÄÄQèñä Ü"High performance liquid chromatography ÄÄÖQä 3ÄÄöä ÖäÊöä āÄÄÎQèrā"  
 10-5 ÄÜÖöä ġäē Üceramic ÖÄÄKÄöä sÜ Silica gel ÄÖÿÿÊöä ĢYÄ ġÄtÄÄ zÎT Üÿñ 4 ÜYñÄÄ ÄÜē Lē  
 .octadecyl silyl groups ġÄzt f 3ñ rÄKörÄä ÄÄÄtÄÖ ÖÜÊöä ÄTÄ öÄÜ UøQöä ÜÄQñsÄÖñ  
 835 3ñ TS özÄÄtā/ÿzÄqzñjā ÖÄzä Ü3Äö ÄÊÊðsöÄÄÄ özÝT dñ Öñ 15 dñ jÄÄñ ÖtÄQÄÄ ÜÖÄHÜñ özÜðs  
 ĢÄÄQ yzÁázÔöä ġÄÄÄÄ özÝHñ 0.1±7.5 BÜ öÄÄÄöä öÄÄQÄÄ R ÖÄÄQzQÄjā dñ Öñ 125 8ÄRΛ ÜöÄtā dñ Öñ  
 .Äñjā yÄö ääÜ ÜÖÄÄQzQÄjā ÄÖÄk öÄÄÄ .ĢÄÄs ÜÖñ 1000 zøQg öÄtā ZÄÄ ÜTS (ó/ñ275) kDZsöÄETā  
 Ü3Äö ÄÊÊðsöÄÄÄ özÝT dñ Öñ 15 BÜ 8ÄRΛ :öÄQñrā ÖÄÄT KÖÖ Ž öÄÄQèrā ÖDzj BÄQöä özÝ†ä ZÄÄ  
 ĢÄÄQ yzÁázÔöä ġÄÄÄÄ özÝHñ 0.1±7.5 BÜ öÄÄÄöä öÄÄQÄÄ ÜöÄtā dñ Öñ 900 öÄÄÖñ TS özÄÄtā/ÿzÄqzñjā ÖÄzä  
 ÜRS yzÄÊÖäÖöä ġÄÄözz dñ ĢtÖ ĢÿzĢRñ JäzÄ .ŽÄs Öñ 1000 BÜ öÄtā ZÄÄ ÜTS (ó/ñ275) kDZsöÄETā  
 .(A özÝ†ä) Öñ 1 ÖÖ Ž yÄÄQsÄÖñ 175 ĢäÄē zÿ3 BzQ3 ÜÖä ÄÄÄ özÝ†ä ZÄÄs ÄÄÜ özðÖtā özÝ†ä Ž āÄÖk s  
 ŽÄs Öñ 100 öÄÖä LDzġ öÄÜ3q ÄÄÜ özðÖtā özÝ†ä dñ 8ÄÖ LDzġ Ž ÖðzHÄtā gÄtā dñ Ñÿñ 20 āāÖΛ



:Graphic formula  $\text{C}_{15}\text{H}_{12}\text{N}_2\text{O}$



:Chemical name 5H-Dibenz[b,f]azepine-5-carboxamide

5H-Dibenz[b,f]azepine-5-carboxamide; CAS Reg. No. 298-

46-4.

GHUAA C3 S GHUAA C3 UAAOja B a oar RRU B RRU JZV B oza azHEu :Description Z oza  
MGAOK

(o/h 750~) ozpAq Z asae UREVT3 R Kija Z fs ota Z asae Kd :Solubility GHASOa  
.R yozzsozIOaSTS

.Antiepileptic tAOVo aARu oasA :Category GAAoa

.yAOga GOY8u GAsAg Z kGAhAaAOa SAg AEz :Storage dAAOa

#### REQUIREMENTS KChU7Kdz/f

%102.0 d3 AAl fs %98.0 d3 OOl r Au zY3 kGAhAaAOa BzQ3 :General requirement yAHoa AEYUq  
.GAAOa gAta B tZDAa GzET UC<sub>15</sub>H<sub>12</sub>N<sub>2</sub>O dñ

:Identification tests huYNJUE l epfGfQe

.D5 C5 B gAOgnra S A oAOgnra AnU EeGUk dOx •

oaASa KO GHij GOUu Z UZRoa ZUoa aAe" jzA3 KO 8zozu zL AtO OHoa EGUA :A  
KO GHij Z i AOqra ZU EAOQ. (43 GHUOA U1 AEYO) "Spectrophotometry in the infrared region  
UHDZAt ZUoa 3u S RS kGAhAaAOa dñ jkAoa ZUoa 3u GOGEn GzAHu JSa GdzHAta gAta dñ jkAoa oaASa  
.kGAhAaAOa reference spectrum

GAHaa GEHaa GHOGaa EAOQ. "Related substances GAIIta aazt" jzA3 KO 8zozu oAOgnra B ATpa :B

.D ozY+ dñ GHAoa OY 3u gAIoa ATTas 3ezt Z C ozY+ dñ

.AEAI a oau EoK SgY U(365 mm) UDzEAAoa azz ozRo GHU B oAOgnra gAn dñ gK8o GtO oAH :C  
- APU Jzo jQAL UEaAa 3 gAn Uan yAp Z TS (o/h1000~) OAOa R p dñ On 2 3u h0.1 dAE :D

.BĀŌKĀ

.°y193-189 :Melting range ōĀTŌfā ōĀf

jāzĭ3 KŌ 8zōztj ōĀQñfā ōzŲT KRŌ ŌDZj ĥ1.0 yĀĀQĒĒ :Heavy metals ĠVEŌjōā (ġāĀYĀōā) jĀĀĤj  
Ū1 ĀYŌā) 3 ōāĀDZqā ĒĒW Ū"Limit test for heavy metals ĠVEŌjōā (ġāĀYĀōā) jĀĀĤj ŌDZj BĒΣj ōĀQñfā"  
.ĥ/yāĀQsĀŌŋ 10 d3 ĒĀĀ f Ū(128 ĠHĀŌōā Ū1 ĀYŌā) A ĠŌĀŌŌā ĒĒW ĠVEŌjōā jĀĀĤj 2zŲT dñĤ Ū(127 ĠHĀŌōā  
.ĥ/ŋŲŋ 1.0 d3 ĒĀĀ f :Sulfated ash KĀYĒtj āĤŋĀōā

5.0 dñ ĀjŌŪ ĒŌĀĀ f Ū°y105 ġōāġ ĠDZŌĒ ĶāĲjōā jāzōā 2ŌŲġ ZĀZ :Loss on drying ZĒADZŌōā ĒŌĀōā  
.ĥ/ŋŲŋ

R jzĀĀŌōā ĒĒĒŌŌ ŪāĀŌ dñ BĀĲj ōĤj dñ Ōŋ 20 Ž ĥ1.0 ōĀZ :Acidity or alkalinity ĠĀYŌōā sŲ ĠrztΣā  
ĀĀĤĤ TS ōzŲĀjŲtj/kĀōājz ōzĀōā ōzŲT dñ Ōŋ 0.1 ōāĒŌŋ ĠġĀĪĀōā dñ Ōŋ 10 BŪ 8ĀĪĀ .ĠĪĀĤ ĠŌĒā 15 ġĒŋ  
2Ų3 ōzŌHŲŌ Ōŋ 0.5 dñ ĀjŌŪ yĀYĀ f Ūvs (ō/ōzŋ 0.01) ġĀqzĀĀŌōā dñ BĀĲj yzĀĀzŌōā ĒĒĒŌŌ ōzŲHŋ  
0.01) ŌŌzŲŌsŌĒĒ ĤĤW ĀĀĤĤ TS ōzŲĀjŲtj/ŌŲĒtj ġĀtġ ōzŲT dñ Ōŋ 0.15 8ĀĪĀ .pink ŪYĀŲĀŌōā jzŲōā  
.Āp jĀ jzŲōā 2Ų3 ōzŌHŲŌ Ōŋ 1.0 dñ ĀjŌŪ yĀYĀ f Ūvs (ō/ōzŋ

Thin- ĠŌĒĀōā ĠŌĠŌ āāĀĪŲēi" jāzĭ3 KŌ 8zōztj ōĀQñfā ĒĠŪ :Related substances ĠŌĀĪtj āāztj  
dñ jĀĀŋs ĠŲ8ŋ ġĀĀŌ Silica gel R6 ĪŌĒVEĒōā ĠŲYĒ yĀĀQŲēĀ Ū(84 ĠHĀŌōā Ū1 ĀYŌā) "layer chromatography  
5 dñ ĀŌsĀŌŋ 2 ĠHĒĀŌōā 2Ų3 ŲŌĀĀ ĒĠŪ .ŌĀHŲŋ ōzŪŌ R ōzŲĀjŲtj dñ ĤDzġ 14s R dĀzŲŌōā dñ ĤDzġ 86  
ĥ0.050 BzZ :(A) ōzŲ+ā ŪR yōzŲsōzŲŌōā TS (ō/ĥ 750~) ōzŲĀjŲtj dñ ĠĤĪĒŲŋ yzDzġ dñ jĀĀŋ Ž ŌŌĀT  
iminodibenzyl R ŌĀŌĠĠ ŪāĀŌ zĒĒqā ġĀĤŋ dñ ŲŲŋ 0.050 BzZ :(B) ōzŲ+ā ŪŌŋ 1 ŌŌ Ž ōĀQñfā ġĀĤŋ dñ  
dñ ŲŲŋ 5.0 BzZ :(D) ōzŲ+ā ŪŌŋ 1 ŌŌ Ž ōĀQñfā ġĀĤŋ dñ ŲŲŋ 5.0 BzZ :(C) ōzŲ+ā ŪŌŋ 1 ŌŌ Ž  
tĀŲ ĒĒs .Ōŋ 1 ŌŌ Ž RS kĠĀĤĤĀĀŌōā dñ yāĀQsĀŌŋ 5.0 BzZ :(E) ōzŲ+ā ŪŌŋ 1 ŌŌ Ž RS kĠĀĤĤĀĀŌōā  
ŪTs3 yzĒĒĤzŌōā ġĤŋsĀŌ ŪāĀŌ ōzŲHŋ ĠHĒĀŌōā āĤs ŪōzTā Ž ZDzŌ ōĀŲ ŪāĀĪŲēfā ġKDzġ dñ ĠHĒĀŌōā  
ġĒĪ ĀjŌŪ ŪĠĒĒĀōā ĠŌĠōā ōĀjŲŲēĀ ŪA ōzŲ+ā dñ jŲĀ ĠŲŌ ĠĀ jzŲŌ f .ōĀŲĀ ōzŲ Ž āāĪŲēfā ŪŪŪ ŌHĀĤ  
Ž āāĪŲēfā ŪŪŪ ŌHĀĤ ĠŌĒā 15 ġĒŋ °y140 ġōāġ ĠDZŌĒ ĠHĒĀŌōā dĀĒĒ Ž .B ōzŲ+ā dñ ĠŌĀōā ŌŲŲ dñ  
dñ ĠŌĀōā ŌŲŲ dñ ġĒĪ ĀjŌŪ A ōzŲ+ā dñ jŲĀ ĠĒĀŲŲ ŲŲŲ ĠĀ jzŲŌ f .(ĀŋzŲŲ 254) ĠĒDzĒĀĠōā āzŲ ĠĤĪjĀ  
.E ōzŲ+ā

ōĀŪ3q TS (ō/ĥ750~) ōzŲĀjŲtj dñ ĠĒĀŌ ĠĤŌ Ž ŪĠŲzĠŲŋ ĠŲsāzŲ Ūĥ0.1 ĠāĀ āāŌ :Assay ĠĒĀŲtj









.cytotoxic  $\bar{\alpha}\bar{\nu}\bar{\alpha}\bar{\nu}\bar{o}$   $\bar{y}\bar{a}\bar{e}$   $\bar{o}\bar{s}\bar{s}\bar{a}$  :Category  $\bar{c}\bar{a}\bar{a}\bar{o}\bar{a}$

. $\bar{o}\bar{z}\bar{r}\bar{o}\bar{a}$   $\bar{c}\bar{h}\bar{e}\bar{t}$   $\bar{u}\bar{y}\bar{a}\bar{o}\bar{g}\bar{h}\bar{a}$   $\bar{g}\bar{o}\bar{y}\bar{8}\bar{n}$   $\bar{c}\bar{l}\bar{s}\bar{a}\bar{g}$   $\bar{z}$   $\bar{o}\bar{l}\bar{e}\bar{z}\bar{c}\bar{n}\bar{a}\bar{o}\bar{z}\bar{y}\bar{o}\bar{a}$   $\bar{s}\bar{a}\bar{g}$   $\bar{e}\bar{z}$  :Storage  $\bar{c}\bar{o}\bar{l}\bar{a}\bar{a}\bar{q}\bar{o}\bar{a}$

$\bar{o}\bar{l}\bar{e}\bar{z}\bar{c}\bar{n}\bar{a}\bar{o}\bar{z}\bar{y}\bar{o}\bar{a}$   $\bar{o}\bar{n}\bar{a}\bar{h}\bar{a}$   $\bar{a}\bar{n}\bar{e}\bar{a}\bar{z}$   $\bar{c}\bar{l}\bar{a}\bar{a}\bar{h}\bar{o}\bar{a}\bar{s}$   $\bar{o}\bar{\theta}\bar{\Sigma}\bar{a}$   $\bar{u}\bar{n}\bar{z}\bar{k}$   $\bar{e}\bar{z}$  :Additional information  $\bar{c}\bar{h}\bar{e}\bar{z}\bar{a}\bar{r}\bar{o}$   $\bar{g}\bar{h}\bar{e}\bar{z}\bar{y}\bar{h}\bar{n}$   
. $\bar{o}\bar{a}\bar{z}\bar{T}\bar{h}\bar{a}$   $\bar{c}\bar{o}\bar{z}\bar{o}\bar{h}\bar{t}\bar{a}$   $\bar{g}\bar{h}\bar{a}\bar{e}\bar{e}\bar{z}\bar{a}$   $\bar{a}\bar{a}\bar{i}\bar{a}\bar{o}\bar{e}\bar{s}$   $\bar{e}\bar{v}\bar{z}\bar{a}$   $\bar{z}\bar{n}$   $\bar{a}\bar{a}\bar{e}\bar{q}\bar{o}\bar{a}$   $\bar{e}\bar{l}\bar{o}\bar{s}$   $\bar{B}\bar{e}\bar{l}\bar{j}\bar{h}\bar{a}$

## REQUIREMENTS $\bar{K}\bar{c}\bar{h}\bar{u}\bar{t}\bar{s}\bar{k}\bar{d}\bar{z}\bar{f}$

$\bar{c}\bar{z}$   $\bar{e}\bar{l}\bar{a}\bar{l}$   $\bar{r}\bar{s}$  %98.0  $\bar{c}\bar{z}$   $\bar{o}\bar{o}\bar{l}$   $\bar{r}$   $\bar{a}\bar{n}$   $\bar{z}\bar{y}\bar{z}$   $\bar{o}\bar{l}\bar{e}\bar{z}\bar{c}\bar{n}\bar{a}\bar{o}\bar{z}\bar{y}\bar{o}\bar{a}$   $\bar{B}\bar{z}\bar{q}\bar{z}$  :General requirement  $\bar{y}\bar{a}\bar{h}\bar{o}\bar{a}$   $\bar{e}\bar{v}\bar{u}\bar{q}\bar{h}\bar{a}$   
. $\bar{c}\bar{h}\bar{e}\bar{a}\bar{h}\bar{y}\bar{o}\bar{a}$   $\bar{g}\bar{a}\bar{h}\bar{t}\bar{a}$   $\bar{B}\bar{o}$   $\bar{t}\bar{z}\bar{D}\bar{Z}\bar{a}\bar{o}\bar{h}\bar{a}$   $\bar{c}\bar{h}\bar{e}\bar{t}$   $\bar{U}\bar{C}_{14}\bar{H}_{19}\bar{C}\bar{l}_2\bar{N}\bar{O}_2$   $\bar{c}\bar{h}\bar{e}$  %101.0

## :Identification tests $\bar{h}\bar{u}\bar{i}\bar{n}\bar{j}\bar{n}\bar{u}\bar{i}\bar{e}$ $\bar{l}\bar{e}\bar{p}\bar{f}\bar{c}\bar{h}\bar{q}\bar{e}$

$\bar{a}\bar{z}\bar{c}\bar{h}\bar{t}\bar{a}$   $\bar{z}\bar{U}\bar{8}\bar{l}$   $\bar{U}\bar{T}\bar{S}2$   $\bar{y}\bar{z}\bar{e}\bar{h}\bar{k}\bar{z}\bar{c}\bar{o}\bar{a}$   $\bar{g}\bar{h}\bar{s}\bar{a}\bar{o}$   $\bar{u}\bar{a}\bar{a}\bar{q}$   $\bar{o}\bar{z}\bar{y}\bar{t}$   $\bar{c}\bar{h}\bar{e}$   $\bar{o}\bar{n}$  0.20  $\bar{8}\bar{a}\bar{r}\bar{l}\bar{s}$   $\bar{c}\bar{h}\bar{a}\bar{\theta}$   $\bar{a}\bar{z}\bar{c}\bar{h}\bar{t}$   $\bar{z}$   $\bar{n}\bar{y}\bar{n}$  20  $\bar{z}\bar{r}\bar{z}\bar{l}$  :A  
.Piperidine R  $\bar{c}\bar{o}\bar{l}\bar{e}\bar{l}\bar{K}\bar{c}\bar{h}\bar{e}\bar{o}\bar{a}$   $\bar{c}\bar{h}\bar{e}$   $\bar{o}\bar{n}$  0.05  $\bar{T}\bar{S}$  ( $\bar{o}/\bar{h}\bar{s}.5$ )  $\bar{y}\bar{z}\bar{l}\bar{a}\bar{z}\bar{o}\bar{h}\bar{a}$   $\bar{e}\bar{e}\bar{s}\bar{a}\bar{s}\bar{a}\bar{q}$   $\bar{o}\bar{z}\bar{y}\bar{h}\bar{n}$   $\bar{o}\bar{y}\bar{c}\bar{t}\bar{a}$   $\bar{G}\bar{e}\bar{i}\bar{a}\bar{q}\bar{o}\bar{a}$   $\bar{a}\bar{o}\bar{s}$   $\bar{c}\bar{h}\bar{e}$   $\bar{G}\bar{h}\bar{u}\bar{o}\bar{a}$   
. $\bar{G}\bar{e}\bar{i}\bar{a}\bar{q}\bar{o}\bar{a}$   $\bar{a}\bar{o}\bar{s}$   $\bar{z}\bar{y}\bar{z}$   $\bar{o}\bar{h}\bar{e}\bar{o}\bar{a}$   $\bar{G}\bar{h}\bar{o}\bar{a}$   $\bar{s}\bar{e}\bar{g}\bar{k}$   $\bar{U}\bar{K}\bar{8}\bar{o}$   $\bar{e}\bar{T}$   $\bar{a}\bar{z}\bar{z}$   $\bar{a}\bar{z}\bar{c}\bar{h}\bar{t}\bar{a}$   $\bar{c}\bar{o}\bar{A}\bar{E}\bar{l}$   
 $\bar{O}\bar{l}\bar{o}\bar{z}\bar{A}\bar{i}\bar{e}\bar{o}\bar{a}$   $\bar{R}\bar{e}\bar{\beta}$   $\bar{c}\bar{h}\bar{e}$   $\bar{o}\bar{n}$  0.05  $\bar{8}\bar{a}\bar{r}\bar{l}\bar{s}$  . $\bar{o}\bar{n}$  10  $\bar{B}\bar{o}$   $\bar{o}\bar{h}\bar{t}\bar{a}$   $\bar{Z}\bar{a}\bar{\Sigma}$   $\bar{U}\bar{r}$   $\bar{j}\bar{z}\bar{q}\bar{e}\bar{u}$   $\bar{o}\bar{n}$  5  $\bar{z}$   $\bar{h}\bar{o}.05$   $\bar{a}\bar{a}\bar{o}\bar{l}$  :B  
 $\bar{g}\bar{a}\bar{i}\bar{a}\bar{q}\bar{n}$   $\bar{y}\bar{z}\bar{t}\bar{d}$   $\bar{o}\bar{o}\bar{i}\bar{k}$   $\bar{s}\bar{g}\bar{y}\bar{l}$   $\bar{r}$   $\bar{U}\bar{v}\bar{s}$  ( $\bar{o}/\bar{o}\bar{z}\bar{n}$  0.1)  $\bar{G}\bar{R}\bar{a}\bar{o}\bar{a}$   $\bar{g}\bar{h}\bar{a}\bar{q}$   $\bar{o}\bar{z}\bar{y}\bar{t}$   $\bar{c}\bar{h}\bar{e}$   $\bar{o}\bar{n}$  0.20  $\bar{8}\bar{a}\bar{r}\bar{l}$   $\bar{z}$   $\bar{U}\bar{T}\bar{S}$  ( $\bar{o}/\bar{h}\bar{100}\sim$ )  
ionizable  $\bar{c}\bar{o}\bar{n}\bar{q}\bar{y}\bar{o}$   $\bar{o}\bar{h}\bar{e}$   $\bar{o}\bar{z}\bar{y}\bar{o}$   $\bar{a}\bar{z}\bar{D}\bar{Z}\bar{s}$ )  $\bar{y}\bar{z}\bar{t}\bar{8}\bar{o}\bar{a}$   $\bar{o}\bar{z}\bar{U}\bar{q}\bar{z}$   $\bar{U}\bar{e}\bar{a}\bar{h}\bar{n}$   $\bar{y}\bar{a}\bar{\beta}$   $\bar{z}$   $\bar{o}\bar{z}\bar{y}\bar{t}\bar{a}$   $\bar{c}\bar{o}\bar{A}\bar{E}\bar{l}$  .( $\bar{e}\bar{l}\bar{o}\bar{z}\bar{y}\bar{o}\bar{a}$  ion  $\bar{j}\bar{z}\bar{l}\bar{u}$   $\bar{a}\bar{e}\bar{d}$ )  
(chlorine

$\bar{R}\bar{e}\bar{\Sigma}$   $\bar{U}\bar{c}\bar{o}\bar{e}\bar{e}\bar{a}$  30  $\bar{g}\bar{e}\bar{n}$   $\bar{o}\bar{h}\bar{a}\bar{o}\bar{e}\bar{y}\bar{o}$   $\bar{o}\bar{a}\bar{q}\bar{l}\bar{s}$   $\bar{T}\bar{S}$  ( $\bar{o}/\bar{h}\bar{70}\sim$ )  $\bar{O}\bar{l}\bar{o}\bar{z}\bar{y}\bar{o}\bar{s}\bar{o}\bar{e}\bar{e}\bar{T}\bar{a}$   $\bar{R}\bar{e}\bar{\beta}$   $\bar{c}\bar{h}\bar{e}$   $\bar{o}\bar{n}$  10  $\bar{z}\bar{n}$   $\bar{h}\bar{o}.4$   $\bar{z}\bar{a}\bar{\Sigma}$  :C  
 $\bar{U}\bar{8}\bar{r}$   $\bar{K}\bar{O}$   $\bar{G}\bar{U}\bar{e}\bar{t}\bar{a}$   $\bar{g}\bar{o}\bar{h}\bar{a}\bar{\Sigma}\bar{a}$   $\bar{G}\bar{D}\bar{z}\bar{o}\bar{e}\bar{a}$   $\bar{Z}\bar{a}\bar{z}\bar{s}$   $\bar{U}\bar{o}\bar{h}\bar{t}\bar{a}$   $\bar{c}\bar{h}\bar{e}$   $\bar{o}\bar{n}$  10  $\bar{h}\bar{z}\bar{a}\bar{n}$   $\bar{o}\bar{\theta}$   $\bar{U}\bar{k}\bar{q}\bar{a}\bar{a}$   $\bar{k}\bar{q}\bar{e}\bar{t}\bar{o}\bar{a}$   $\bar{G}\bar{o}\bar{h}\bar{a}\bar{z}\bar{y}\bar{o}\bar{a}$   $\bar{o}\bar{e}\bar{8}\bar{k}$   $\bar{U}\bar{G}\bar{i}\bar{a}\bar{l}$  . $\bar{h}\bar{e}\bar{g}\bar{u}$   
 $\bar{G}\bar{D}\bar{z}\bar{o}\bar{a}$   $\bar{U}\bar{G}\bar{z}\bar{h}\bar{e}$  3  $\bar{g}\bar{e}\bar{n}$  R  $\bar{o}\bar{z}\bar{A}\bar{E}\bar{h}\bar{o}\bar{a}$   $\bar{e}\bar{e}\bar{e}\bar{o}\bar{h}$   $\bar{u}\bar{e}\bar{h}\bar{t}\bar{h}$   $\bar{a}\bar{z}\bar{z}$  ( $\bar{E}\bar{g}\bar{o}\bar{a}$   $\bar{l}\bar{y}\bar{n}$  5  $\bar{c}\bar{h}\bar{a}\bar{e}$   $\bar{s}\bar{u}$   $\bar{o}\bar{h}\bar{o}\bar{e}\bar{h}\bar{a}$   $\bar{z}\bar{y}\bar{e}\bar{o}$  0.6  $\bar{c}\bar{z}$   $\bar{e}\bar{l}\bar{a}\bar{l}$   $\bar{r}$ )  $\bar{R}\bar{e}\bar{a}\bar{a}\bar{h}\bar{n}$   
.°y146  $\bar{c}\bar{h}\bar{a}\bar{e}$   $\bar{o}\bar{h}\bar{T}\bar{O}\bar{p}\bar{r}\bar{a}$   $\bar{g}\bar{o}\bar{h}\bar{a}\bar{g}$

. $\bar{h}\bar{y}\bar{n}\bar{y}\bar{n}$  1.0  $\bar{c}\bar{z}$   $\bar{e}\bar{l}\bar{a}\bar{l}$   $\bar{r}$  :Melting range  $\bar{o}\bar{h}\bar{T}\bar{O}\bar{p}\bar{r}\bar{a}$   $\bar{o}\bar{h}\bar{f}$

Determination of water by  $\bar{a}\bar{i}\bar{e}\bar{z}$   $\bar{o}\bar{o}\bar{h}\bar{o}$   $\bar{G}\bar{O}\bar{h}\bar{a}\bar{U}\bar{a}$   $\bar{o}\bar{h}\bar{t}\bar{a}$   $\bar{k}\bar{e}\bar{h}\bar{k}$ "  $\bar{j}\bar{z}\bar{a}\bar{z}$   $\bar{K}\bar{O}$   $\bar{8}\bar{z}\bar{o}\bar{z}\bar{n}$   $\bar{z}\bar{e}$   $\bar{h}\bar{t}\bar{o}$   $\bar{c}\bar{o}\bar{h}\bar{h}$  :Water  $\bar{o}\bar{h}\bar{t}\bar{a}$

. $\bar{h}\bar{y}\bar{n}\bar{y}\bar{n}$  5.0  $\bar{c}\bar{z}$   $\bar{o}\bar{h}\bar{t}\bar{a}$   $\bar{P}\bar{z}\bar{q}\bar{t}$   $\bar{e}\bar{l}\bar{a}\bar{l}$   $\bar{r}$   $\bar{U}$ "the Karl Fischer method

$\bar{G}\bar{o}\bar{h}\bar{e}\bar{a}\bar{o}\bar{a}$   $\bar{G}\bar{o}\bar{c}\bar{U}\bar{o}\bar{a}$   $\bar{a}\bar{a}\bar{a}\bar{i}\bar{q}\bar{e}\bar{i}$ "  $\bar{j}\bar{z}\bar{a}\bar{z}$   $\bar{K}\bar{O}$   $\bar{8}\bar{z}\bar{o}\bar{z}\bar{n}$   $\bar{z}\bar{e}$   $\bar{h}\bar{t}\bar{o}$   $\bar{o}\bar{h}\bar{q}\bar{n}\bar{r}\bar{a}$   $\bar{E}\bar{g}\bar{U}\bar{l}$  :Related substances  $\bar{G}\bar{o}\bar{h}\bar{i}\bar{t}\bar{a}$   $\bar{a}\bar{a}\bar{z}\bar{t}\bar{a}$   
 $\bar{G}\bar{y}\bar{q}\bar{8}\bar{n}$   $\bar{g}\bar{a}\bar{h}\bar{t}\bar{o}$  silica gel R2  $\bar{h}\bar{o}\bar{e}\bar{y}\bar{e}\bar{e}\bar{o}\bar{a}$   $\bar{c}\bar{n}\bar{y}\bar{e}$   $\bar{y}\bar{a}\bar{e}\bar{a}\bar{q}\bar{e}\bar{h}\bar{a}$   $\bar{U}$ (84  $\bar{G}\bar{h}\bar{u}\bar{a}\bar{O}\bar{h}\bar{a}$   $\bar{U}\bar{1}$   $\bar{e}\bar{v}\bar{o}\bar{h}$ ) "Thin-layer chromatography  
 $\bar{c}\bar{h}\bar{e}$   $\bar{y}\bar{z}\bar{D}\bar{z}\bar{g}$  8  $\bar{c}\bar{h}\bar{e}$   $\bar{j}\bar{l}\bar{a}\bar{n}$   $\bar{o}\bar{h}\bar{h}\bar{o}\bar{n}$   $\bar{o}\bar{z}\bar{U}\bar{o}$   $\bar{O}\bar{t}\bar{h}\bar{q}\bar{E}\bar{l}$  . $\bar{G}\bar{z}\bar{h}\bar{e}$  24  $\bar{g}\bar{e}\bar{n}$   $\bar{G}\bar{z}\bar{a}\bar{8}\bar{o}\bar{a}$   $\bar{g}\bar{o}\bar{h}\bar{a}\bar{g}$   $\bar{G}\bar{D}\bar{z}\bar{o}\bar{e}\bar{a}$   $\bar{Z}\bar{D}\bar{z}\bar{o}$   $\bar{G}\bar{y}\bar{q}\bar{8}\bar{n}$   $\bar{G}\bar{h}\bar{u}\bar{e}\bar{a}\bar{O}\bar{h}\bar{a}$   $\bar{o}\bar{a}\bar{q}\bar{k}\bar{s}$   
 $\bar{h}\bar{o}\bar{a}\bar{a}\bar{n}$   $\bar{E}\bar{g}\bar{U}\bar{l}$  .R  $\bar{j}\bar{z}\bar{q}\bar{e}\bar{o}$   $\bar{O}\bar{e}\bar{j}\bar{e}\bar{n}$   $\bar{O}\bar{e}\bar{j}\bar{u}$   $\bar{c}\bar{h}\bar{e}$   $\bar{y}\bar{z}\bar{D}\bar{z}\bar{g}$  4 $\bar{s}$   $\bar{U}\bar{r}$   $\bar{j}\bar{h}\bar{q}\bar{e}\bar{T}\bar{a}$   $\bar{c}\bar{h}\bar{e}$   $\bar{y}\bar{z}\bar{D}\bar{z}\bar{g}$  4  $\bar{U}\bar{r}$   $\bar{o}\bar{z}\bar{q}\bar{h}\bar{z}\bar{e}\bar{t}\bar{a}$   $\bar{c}\bar{h}\bar{e}$   $\bar{y}\bar{z}\bar{D}\bar{z}\bar{g}$  5  $\bar{U}\bar{r}$   $\bar{c}\bar{o}\bar{l}\bar{z}\bar{q}\bar{o}\bar{a}$

05 Ž šāqññā gāān dn ņīn 20 Bz3 : (A) ōzī+ā ūR jzqēējā Ž kAqā kōzīt dn ĀqōšĀŌn 10 ĠHĒĀŌōā zī3  
 ŪāāĀĪqēēā gKDzē dn ĠHĒĀŌōā tĀp ĒĒāš .Ōn 1 Ōō Ž šāqññā gāān dn ņīn 0.4 Bz3 : (B) ōzī+āš Ōn 1  
 ĠĀ ŶzŌk ē .(ĀqñzqĀp 254) ĠEDzĒĀGōā āzē ĠĤījā Ž āāĀĪqēēā ŪŪŪ ŌHĀĀš ōāzTā Ž ZDzŌ ĠHĒĀŌōā ŌĀqk  
 .B ōzī+ā dn ĠĀĀōā ŌVĥ dn gĒī Āžōī ŪĠĒĒāĀōā ĠĠōōā ōĀžqēēā ŪA ōzī+ā dn jQĀ ĠĠōā  
 ōzīHn ĀĀĤĀš Ūōān Ōn 10 8ĀĤĀ ŪR jzqēēū Ōn 10 Ž ŪĠzūzĠĤ Ġpšāzn Ūĥ0.2 ĠāĀē āāŌĀ :Assay ĠĒĀŌōā  
 āĀĤĥ .TS ōzqāžĀqā/kĀōāž ōzĒĒāō ĀĤĤn yāĒĀŌēĀ vs (ō/ōzn 0.1) ġĀqzāĀōōā dn BĀĤā yzĀāzŌōā ĒĒĒōšŌĒĒ  
 dn BĀĤā yzĀāzŌōā ĒĒĒōšŌĒĒ ōzīt dn Ōn 1 Ōō .ĠōšĀr ġĀHĤĤŌk ĠĀ ZĀŌš ĠōzHĀtā gāĀtā jšā ĠĒVĤĠōā  
 .C<sub>14</sub>H<sub>19</sub>Cl<sub>2</sub>NO<sub>2</sub> dn ņīn 30.42 ūzĀŌĀ vs (ō/ōzn 0.1) ġĀqzāĀōōā

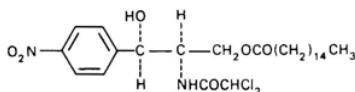
## CHLORAMPHENICOLI PALMITAS

**Chloramphenicol Palmitate** ūNjIzāzēDēņNj+IĒ lFēDžņFG

C<sub>27</sub>H<sub>42</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>6</sub> :Molecular formula ĠĒĀĀzā ĠĠĒōōā

561.5 :Relative molecular mass ĠĠĠĒāōā ĠĒĀĀzā ĠVŌōōā

:Graphic formula ĠĠĀĠĠtā ĠĠĒōōā



:Chemical name ĤāĒĤĒŌōā jĒēā

*D-threo-(-)-2,2-Dichloro-N-[β-hydroxy-α-(hydroxymethyl)-p-nitrophenethyl]acetamide α-palmitate; [R-(R\*,R\*)]-2-[(dichloroacetyl)amino]-3-hydroxy-3-(4-nitrophenyl)propyl hexadecanoate; CAS Reg. No. 530-43-8.*

.ĠĀĒĀn ĠHĀō šā Ūunctuous Ēōā ŪĤēā ŶzVā j3p BōzVā āzHĒn :Description Zōzōā

Ž āāšā ŪTs (ō/h 750~) ōzqāžĀqā Ž jĀšōōā ŌVē ŪōĤā Ž ĤĒVt3 āāšā Kd :Solubility ĠĠĀšōōā

.R Kōjāš R yōzēšōzŌōā

.Antibacterial drug jĠāĀzā āĀĤn ōāšā :Category ĠĀĀōā

.ōzĤōā dn ĠĒtŪ ŪyĀŌgūā ĠŌV8n ĠĀšġ Ž ōzŌĒĒĀnōzŌōā ġĀĠtā šĀg Ēz :Storage dnĀĀŌōā

KĤŌ Ž ĀTĀtĤēē gĤĤn ōzŌĒĒĀnōzŌōā ġĀĠtā KĀō āēŪ :Additional information ĠĒzĀr Ū ġĀnzŶĤn

2) polymorph B  $\bar{O}\bar{O}\bar{I}\bar{o}\bar{o}$   $\acute{a}\acute{e}\acute{H}\acute{Q}\eta$   $\bar{O}\bar{O}\bar{I}\bar{o}\bar{o}$   $\eta\eta$  %90 2)  $BzQ'$   $J\bar{U}$   $\bar{A}E\bar{D}z\bar{z}$   $\bar{U}\bar{G}\bar{G}\bar{V}\bar{O}\bar{o}$   $\bar{C}\bar{o}\bar{A}\bar{\Sigma}\bar{A}$   $\bar{U}\bar{o}\bar{p}\bar{r}\bar{A}\bar{E}\bar{o}$   $\bar{O}\bar{O}\bar{I}\bar{o}$   $B\bar{U}$   $\acute{a}z\bar{D}z\bar{s}$   $K\bar{R}\bar{H}\bar{Q}\bar{o}\bar{o}$   $\bar{G}\bar{O}\bar{A}\bar{A}\bar{u}$   $\eta\eta$   $\bar{A}E\bar{D}z\bar{z}$   $\bar{U}\bar{E}\bar{Y}\bar{H}\bar{Q}\bar{E}\bar{t}\bar{a}$   $\bar{O}\bar{J}\eta$   $\bar{U}\bar{O}\bar{o}\bar{A}\bar{e}$   $\bar{U}\bar{o}\bar{p}\bar{r}\bar{A}\bar{E}\bar{o}$   $\bar{O}\bar{O}\bar{I}\bar{o}$   $K\bar{R}\bar{O}'$   $\bar{a}z\bar{V}\bar{U}\bar{t}\bar{a}$   $J\bar{A}\bar{o}$   $\bar{a}\bar{a}\bar{e}\bar{U}\bar{s}$   $\bar{O}\bar{e}\bar{j}\bar{a}$   $\bar{U}\bar{o}\bar{A}\bar{T}\bar{A}\bar{o}\bar{o}$   $J\bar{U}\bar{A}\bar{t}\bar{a}$   $\bar{Z}$  polymorph B  $\bar{O}\bar{O}\bar{I}\bar{o}\bar{o}$   $\acute{a}\acute{e}\acute{H}\acute{Q}\eta$   $\bar{O}\bar{O}\bar{I}\bar{o}\bar{o}$   $\bar{O}\bar{e}\bar{j}\bar{a}$  2)  $\acute{o}z\bar{O}\bar{E}\bar{A}\bar{E}\bar{A}\bar{n}\bar{o}\bar{z}\bar{V}\bar{O}\bar{o}$   $\bar{g}\bar{A}\bar{Q}\bar{E}\bar{t}\bar{a}$   $\eta\eta$  %90

# REQUIREMENTS $K\bar{C}\bar{H}\bar{U}\bar{O}\bar{K}\bar{d}\bar{z}\bar{f}$

$\bar{A}\bar{E}\bar{A}\bar{A}$   $\bar{r}\bar{s}$  %98.0  $\eta\eta$   $\bar{O}\bar{O}\bar{A}$   $\bar{r}\bar{A}\eta$  2)  $\acute{o}z\bar{O}\bar{E}\bar{A}\bar{E}\bar{A}\bar{n}\bar{o}\bar{z}\bar{V}\bar{O}\bar{o}$   $\bar{g}\bar{A}\bar{Q}\bar{E}\bar{t}\bar{a}$   $BzQ'$  :General requirement  $\bar{y}\bar{A}\bar{H}\bar{o}\bar{o}$   $\bar{A}\bar{E}\bar{Y}\bar{U}\bar{Q}\bar{t}\bar{a}$   $\bar{G}\bar{A}\bar{A}\bar{O}\bar{o}$   $\bar{g}\bar{A}\bar{t}\bar{a}$   $B\bar{U}$   $\bar{t}\bar{z}\bar{D}z\bar{A}\bar{o}\bar{o}$   $\bar{C}\bar{a}z\bar{E}\bar{T}$   $\bar{U}\bar{C}_{27}\bar{H}_{42}\bar{Cl}_2\bar{N}_2\bar{O}_6$   $\eta\eta$  %102.0  $\eta\eta$

## :Identification tests $\bar{h}\bar{U}\bar{N}\bar{J}\bar{N}\bar{U}\bar{E}$ $\bar{l}\bar{e}\bar{p}\bar{f}\bar{G}\bar{H}\bar{Q}\bar{E}$

$\bar{U}\bar{1}$   $\bar{A}\bar{E}\bar{V}\bar{O}\bar{o}$ ) "Thin-layer chromatography  $\bar{G}\bar{O}\bar{E}\bar{A}\bar{o}\bar{o}$   $\bar{G}\bar{O}\bar{C}\bar{U}\bar{o}\bar{o}$   $\bar{a}\bar{a}\bar{A}\bar{I}\bar{Q}\bar{e}\bar{a}$ "  $J\bar{A}z\bar{A}z$   $\bar{K}\bar{O}$   $\bar{8}z\bar{o}\bar{z}\bar{t}\bar{a}$   $\acute{o}\bar{A}\bar{Q}\bar{n}\bar{r}\bar{a}$   $\bar{E}\bar{G}\bar{U}\bar{A}$  : $\bar{A}$   $\bar{U}\bar{R}$   $\bar{y}\bar{o}z\bar{z}\bar{s}\bar{o}z\bar{V}\bar{O}\bar{o}$   $\eta\eta$   $\bar{y}\bar{z}\bar{D}z\bar{g}$  9  $\eta\eta$   $\bar{J}\bar{A}\bar{A}\eta$   $\bar{G}\bar{Y}\bar{H}\eta$   $\bar{g}\bar{A}\bar{t}\bar{o}$  silica gel R4  $\bar{A}\bar{O}\bar{E}\bar{V}\bar{E}\bar{E}\bar{o}\bar{o}$   $\bar{C}\eta\bar{Y}\bar{E}$   $\bar{y}\bar{a}\bar{A}\bar{Q}\bar{e}\bar{A}$   $\bar{U}(84$   $\bar{G}\bar{H}\bar{U}\bar{A}\bar{O}\bar{o}$   $\bar{K}\bar{i}z\bar{Y}\bar{T}$   $\eta\eta$   $\bar{A}\bar{Q}\bar{i}\bar{s}$   $\bar{A}\bar{O}\eta$  10  $\bar{G}\bar{H}\bar{U}\bar{A}\bar{O}\bar{o}$  2)  $\bar{Y}\bar{O}\bar{A}\bar{A}\eta$   $\bar{E}\bar{G}\bar{U}\bar{A}$   $\bar{o}\bar{A}\bar{H}\bar{Q}\eta$   $\acute{o}z\bar{U}\bar{o}$   $\acute{o}\bar{A}\bar{t}\bar{a}$   $\eta\eta$   $\bar{t}\bar{t}\bar{D}z\bar{g}$  0.1 $\bar{s}$   $\bar{U}\bar{R}$   $\acute{o}z\bar{Q}\bar{A}\bar{z}\bar{t}\bar{a}$   $\eta\eta$   $\bar{t}\bar{t}\bar{D}z\bar{g}$  1  $\eta\eta$   $\bar{H}\bar{I}\eta$  10  $\bar{B}z\bar{Z}$  : $(B)$   $\acute{o}z\bar{V}\bar{t}\bar{a}$   $\bar{O}\eta$  1  $\bar{O}\bar{o}$   $\bar{Z}$   $\acute{o}\bar{A}\bar{Q}\bar{n}\bar{r}\bar{a}$   $\bar{g}\bar{A}\bar{A}\eta$   $\eta\eta$   $\bar{H}\bar{I}\eta$  10  $\bar{B}z\bar{Z}$  : $(A)$   $\acute{o}z\bar{V}\bar{t}\bar{a}$   $\bar{U}\bar{R}$   $\bar{J}\bar{z}\bar{Q}\bar{e}\bar{j}\bar{a}$   $\bar{Z}$   $\bar{K}\bar{A}\bar{o}\bar{o}$   $\acute{o}\bar{a}z\bar{T}\bar{a}$   $\bar{Z}$   $\bar{Z}\bar{D}z\bar{Q}\bar{o}$   $\bar{o}\bar{A}\bar{Q}\bar{k}$   $\bar{U}\bar{a}\bar{a}\bar{A}\bar{I}\bar{Q}\bar{e}\bar{r}\bar{a}$   $\bar{g}\bar{K}\bar{D}z\bar{g}$   $\eta\eta$   $\bar{G}\bar{H}\bar{U}\bar{A}\bar{O}\bar{o}$   $\bar{t}\bar{A}\bar{Q}$   $\bar{A}\bar{E}\bar{H}\bar{a}\bar{s}$   $\bar{O}\eta$  1  $\bar{O}\bar{o}$   $\bar{Z}$   $\bar{R}\bar{S}$   $\acute{o}z\bar{O}\bar{E}\bar{A}\bar{E}\bar{A}\bar{n}\bar{o}\bar{z}\bar{V}\bar{O}\bar{o}$   $\bar{g}\bar{A}\bar{Q}\bar{E}\bar{t}\bar{a}$   $\bar{Z}$   $\bar{A}$   $\acute{o}z\bar{V}\bar{t}\bar{a}$   $\eta\eta$   $\bar{G}\bar{O}\bar{A}\bar{A}\bar{o}\bar{o}$   $\bar{G}\bar{E}\bar{E}\bar{A}\bar{A}\bar{o}\bar{o}$   $\bar{G}\bar{H}\bar{O}\bar{G}\bar{o}\bar{o}$   $\bar{E}\bar{a}\bar{A}\bar{U}\bar{Q}\bar{k}$   $\bar{A}\bar{Q}\eta\bar{z}\bar{Q}\bar{A}\bar{Q}$  254)  $\bar{G}\bar{E}\bar{D}z\bar{E}\bar{A}\bar{A}\bar{G}\bar{o}\bar{o}$   $\acute{a}z\bar{z}$   $\bar{G}\bar{H}\bar{i}\bar{j}\bar{a}$   $\bar{Z}$   $\bar{a}\bar{a}\bar{A}\bar{I}\bar{Q}\bar{e}\bar{r}\bar{a}$   $\bar{U}\bar{U}\bar{U}$   $\bar{O}\bar{H}\bar{A}\bar{A}\bar{s}$   $\bar{B}$   $\acute{o}z\bar{V}\bar{t}\bar{a}$   $\eta\eta$   $\bar{G}\bar{O}\bar{A}\bar{A}\bar{o}\bar{o}$   $\bar{O}\bar{V}\bar{k}$  3 $\eta$   $\bar{g}\bar{A}\bar{E}\bar{I}\bar{o}\bar{o}$   $\bar{A}\bar{T}\bar{T}\bar{t}\bar{a}$  3 $\bar{e}z\bar{t}\bar{a}$

$\bar{T}\bar{S}$  ( $\bar{o}/\bar{h}$  100~)  $\bar{O}\bar{I}\bar{o}z\bar{A}\bar{V}\bar{E}\bar{o}\bar{o}$   $\bar{R}\bar{e}\bar{p}$   $\eta\eta$   $\bar{O}\eta$  1.0 8  $\bar{A}\bar{R}\bar{A}$   $\bar{U}\bar{T}\bar{S}$  ( $\bar{O}\eta/\bar{h}$  750~)  $\acute{o}z\bar{Q}\bar{A}\bar{z}\bar{U}$   $\bar{O}\eta$  4  $\bar{Z}$   $\bar{H}\bar{I}\eta$  10  $\bar{a}\bar{a}\bar{O}\bar{A}$  : $\bar{B}$   $\bar{O}\bar{o}\bar{e}$   $J\bar{A}\bar{o}$   $\bar{a}\bar{a}\bar{e}\bar{U}$   $\bar{G}\bar{i}\bar{A}\bar{A}$   $\bar{s}\bar{U}$   $\bar{Z}\bar{A}\bar{U}\bar{o}\bar{o}$   $\bar{O}\bar{o}\bar{A}\bar{E}\bar{o}\bar{o}$   $J\bar{A}\bar{G}\bar{t}$   $\bar{E}\bar{a}\bar{A}\bar{e}\bar{A}$  10  $\bar{g}\bar{A}\eta$   $\acute{o}\bar{A}\bar{A}\bar{O}\bar{Q}\bar{e}\bar{Y}\bar{o}$   $\bar{o}\bar{A}\bar{Q}\bar{A}\bar{s}$   $\bar{U}\bar{R}$   $\bar{O}\bar{Q}\bar{A}\bar{o}\bar{o}$   $\acute{a}z\bar{H}\bar{U}\bar{E}\eta$   $\eta\eta$   $\bar{h}\bar{o}.05\bar{s}$   $\bar{U}\bar{G}\bar{O}\bar{E}\bar{e}\bar{A}$  2  $\bar{A}\bar{E}\bar{H}\bar{a}\bar{s}$   $\bar{U}\bar{T}\bar{S}$  ( $\bar{o}/\bar{h}$  100~)  $\bar{y}\bar{z}\bar{A}\bar{A}z\bar{O}\bar{o}$   $\bar{K}\bar{A}\bar{A}\bar{Q}\bar{p}$   $\acute{o}z\bar{Y}\bar{T}$   $\eta\eta$   $\bar{O}\eta$  0.5 8  $\bar{A}\bar{R}\bar{A}\bar{s}$   $\bar{J}\bar{Y}\bar{J}\bar{o}\bar{o}$   $\bar{Z}$   $\bar{J}\bar{K}\bar{A}\bar{A}\bar{o}\bar{o}$   $\acute{o}z\bar{V}\bar{t}\bar{a}$   $\bar{a}\bar{A}\bar{E}\bar{A}$   $\bar{H}\bar{I}\bar{o}\bar{s}\bar{A}\bar{r}$   $\bar{y}\bar{z}\bar{A}\bar{A}z\bar{O}\bar{o}$   $\bar{A}\bar{E}\bar{E}\bar{O}\bar{s}\bar{o}\bar{A}\bar{E}\bar{E}$   $\acute{o}z\bar{Y}\bar{T}$   $\eta\eta$   $\bar{O}\eta$  2.0 $\bar{s}$  2-naphtol TS1  $\acute{o}z\bar{Y}\bar{T}$   $\eta\eta$   $\bar{O}\eta$  1.0  $\bar{o}\bar{e}$   $\bar{C}\bar{z}\bar{z}\bar{Q}\bar{Q}\eta$   $\bar{U}\bar{R}$   $\bar{A}\bar{I}\bar{o}z\bar{E}\bar{o}\bar{o}$   $\eta\eta$   $\bar{h}\bar{1}.0$   $\bar{A}\bar{p}\bar{j}\bar{a}$   $\bar{J}\bar{z}\bar{V}\bar{o}\bar{o}$   $\bar{J}\bar{Q}\bar{A}\bar{A}$   $\bar{r}$   $\bar{U}\bar{R}$   $\bar{O}\bar{Q}\bar{A}\bar{o}\bar{o}$   $\acute{a}z\bar{H}\bar{U}\bar{E}\eta$   $J\bar{s}\bar{A}$   $\acute{o}\bar{A}\bar{Q}\bar{n}\bar{r}\bar{a}$   $\bar{A}\bar{A}\bar{H}\bar{t}$   $\bar{A}\bar{p}\bar{U}$   $\bar{J}\bar{z}\bar{o}$   $\acute{o}z\bar{U}\bar{Q}\bar{A}$   $\bar{U}\bar{T}\bar{S}$  ( $\bar{o}/\bar{h}$  400~)

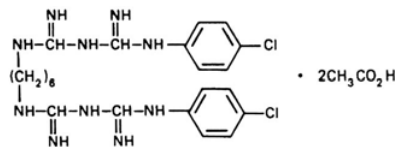
$\bar{t}\bar{s}\bar{A}\bar{o}\bar{A}\eta$   $\acute{o}z\bar{Q}\bar{A}\bar{z}\bar{U}\bar{Q}\bar{a}$   $\bar{Z}$   $\bar{O}\eta/\bar{H}\bar{I}\eta$  50  $\bar{A}\bar{E}\bar{O}\bar{A}\bar{Q}\bar{e}$   $\acute{o}z\bar{Y}\bar{T}$   $\bar{y}\bar{A}\bar{A}\bar{Q}\bar{E}\bar{A}$  :Specific optical rotation  $\bar{U}\bar{z}\bar{z}\bar{A}\bar{o}\bar{o}$   $\bar{B}\bar{A}\bar{O}\bar{G}\bar{o}\bar{o}$   $\bar{A}\bar{A}\bar{s}\bar{A}\bar{Q}\bar{o}\bar{o}$   $[\bar{a}]_D^{20^\circ C} = + 22.5$  to  $+ 25.5^\circ$   $\bar{U}\bar{R}$   $\acute{o}\bar{A}\bar{t}\bar{a}$

$\bar{h}/\bar{H}\bar{I}\eta$  1.0  $\eta\eta$   $\bar{A}\bar{E}\bar{A}\bar{A}$   $\bar{r}$  :Sulfated ash  $\bar{K}\bar{A}\bar{V}\bar{E}\bar{t}\bar{a}$   $\bar{A}\bar{A}\eta\bar{A}\bar{o}\bar{o}$

$\bar{r}$ )  $\bar{R}\bar{A}\bar{A}\bar{A}\eta$   $\bar{U}\bar{8}\bar{r}$   $\bar{K}\bar{O}$   $\bar{G}\bar{U}\bar{E}\bar{t}\bar{a}$   $\bar{g}\bar{o}\bar{a}\bar{A}\bar{\Sigma}\bar{a}$   $\bar{G}\bar{D}z\bar{o}\bar{A}\bar{e}$   $\bar{K}\bar{A}\bar{A}\bar{z}\bar{o}\bar{o}$   $J\bar{a}z\bar{o}\bar{o}$   $\bar{r}\bar{o}\bar{Q}\bar{g}$   $\bar{Z}\bar{A}z$  :Loss on drying  $\bar{Z}\bar{E}\bar{A}\bar{D}z\bar{Q}\bar{o}\bar{A}$   $\bar{A}\bar{E}\bar{O}\bar{A}\bar{o}\bar{o}$  5.0  $\eta\eta$   $\bar{A}\bar{z}\bar{O}\bar{U}$   $\bar{A}\bar{E}\bar{O}\bar{A}\bar{A}$   $\bar{r}$   $\bar{U}\bar{R}$   $\acute{o}z\bar{A}\bar{E}\bar{A}\bar{o}\bar{o}$   $\bar{A}\bar{E}\bar{E}\bar{O}\bar{I}$   $\bar{U}\bar{e}\bar{A}\bar{t}\bar{h}$   $\acute{a}z\bar{H}\bar{U}\bar{E}\eta$   $\acute{a}z\bar{z}$  ( $\bar{E}\bar{G}\bar{o}\bar{o}$   $\bar{l}\bar{U}\eta$  5  $\bar{G}\bar{a}\bar{A}\bar{A}\bar{e}$   $\bar{s}\bar{U}$   $\bar{o}\bar{A}\bar{O}\bar{e}\bar{A}z\bar{Y}\bar{E}\bar{o}$  0.6  $\eta\eta$   $\bar{A}\bar{E}\bar{A}\bar{A}$   $\bar{h}/\bar{H}\bar{I}\eta$

$\acute{o}z\bar{Q}\bar{A}\bar{z}\bar{U}\bar{Q}\bar{a}$   $\eta\eta$   $\bar{y}\bar{z}\bar{D}z\bar{\Sigma}\bar{a}$   $\bar{o}\bar{A}\bar{A}\bar{H}\bar{Q}\eta$   $\bar{J}\bar{A}\bar{A}\eta$   $\eta\eta$   $\bar{O}\eta$  5 3 $\eta$   $\bar{o}\bar{y}35$   $B\bar{U}$   $\bar{K}\bar{A}\bar{E}\bar{Q}\bar{o}\bar{A}$   $\bar{h}\bar{1}.0$   $\bar{a}\bar{a}\bar{O}\bar{A}$  :Acidity  $\bar{G}\bar{r}\bar{z}\bar{t}\bar{\Sigma}\bar{a}$

$\text{C}_{27}\text{H}_{42}\text{Cl}_2\text{N}_2\text{O}_6$  : **Molecular formula**  $\text{C}_{27}\text{H}_{42}\text{Cl}_2\text{N}_2\text{O}_6$   
 $625.6$  : **Relative molecular mass**  $625.6$   
**Graphic formula**



**Chemical name**

1,1'-Hexamethylenebis[5-(*p*-chlorophenyl)biguanide] diacetate; *N,N''*-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediimidamide diacetate; CAS Reg. No. 56-95-1.

Соединение 1,1'-Гексаметиленбис[5-(*p*-хлорофенил)бигуанида] диацетата; *N,N''*-бис(4-хлорофенил)-3,12-диимино-2,4,11,13-тетраазатетрадеканедиимидамид диацетата; CAS Reg. No. 56-95-1. **Description** Зовідання

Соединение 1,1'-Гексаметиленбис[5-(*p*-хлорофенил)бигуанида] диацетата; *N,N''*-бис(4-хлорофенил)-3,12-диимино-2,4,11,13-тетраазатетрадеканедиимидамид диацетата; CAS Reg. No. 56-95-1. **Solubility** Розчинність

Disinfectant Антисептик **Category** Категорія

Зовідання **Storage** Зберігання

# REQUIREMENTS Вимоги

General requirement Загальні вимоги

Соединение 1,1'-Гексаметиленбис[5-(*p*-хлорофенил)бигуанида] диацетата; *N,N''*-бис(4-хлорофенил)-3,12-диимино-2,4,11,13-тетраазатетрадеканедиимидамид диацетата; CAS Reg. No. 56-95-1.

## Identification tests Ідентифікаційні проби

А

Б

В

Г

С

Д

Е

Loss on drying Втрата маси при сушінні

Зовідання

Chloraniline хлоранілін

ammonium амоніум

*N*-(1-naphthyl)ethylenediamine *N*-(1-нафтил)етилендіамін

sulfamat сульфамат

hydrochloride гідрохлорид

B000 R kVep03i0 Nn 0.10 Bz3 03i0 dn 0n 30 G0i0t0e Z0H0s .G0e0 30 g0n 0000000 0000 .0n 50 0000  
 g0i0 0000 0000n0 03i0 Z j0000 Jz00 f .00e dn TS (0/h 70~) 000000000 R0t0 0000 0000 0  
 "Colour of liquids 0000 Jz0" J000 K0 8z00n z0 0n 0000 G0000 0000 0000 03i0t0 B000 000 dn  
 .(h/n0 0.5) (53 G0000 01 0000)

G0000 G0000 0000" J000 K0 8z00n z0 000 0000n0 000 :Related substances G0i0t0 0000  
 G000n g000 Silica gel R4 000000 G0Y0 y000000 0(84 G0000 01 0000) "Thin-layer chromatography  
 Bz3 00n 0n 16 0000n R4 000000 G0Y0 dn h8 B0 80R0 :B000 z000 003 slurry G000 000 K0000 000s  
 50 dn j00n y00000 .J0n 0.5 G0000 G0000 0000 sodium formate R y000000 g0000 dn h1  
 000000 R0 dn y000 7s TS (0/h 750~) 000000 dn 0000 50 0R y00000000 dn 0000  
 03i0 dn 000 00n 20 0000n 000 4 0 03 0000 0000 G0000 003 000 .0000n 0000 TS (0/h1080~)  
 dn G0000 t00 000 .(A 03i0) 0n1 00 Z 0000n0 g00n dn Nn 72 Bz3 TS (0/h90~) 000000 R0 Z  
 0000 .(254 nm) G000000 000 G0i0t0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000  
 g0000 000 G0000 0000 000000 000000 000000 0000 0000 0000 0000 0000 0000 0000 0000  
 0000 0000 0000 0000 15 g0n R00 0R 000000 0n 5 80R0s g0000 B0 000000 0000 B0 000000 G0Y0  
 03i0 0000 dn .00000 256 G000 0000 G000 0000 J0 1 G0000 G000 00n dn Z000 Z000 0000n 000000  
 G0000 G0000 dn G000000 0000 J000 G000000 g0000 0000 G000000 Z000 blank solution 000000  
 dn G0000 G000 Z 0000n0 g00n dn h0.14 000 :G0000 G000000 B 03i0 000 .000 G000000 G000000  
 0n 50 B0 03i0 000 dn 00000n 200 Z000 0n 100 000 J00 0000q TS (0/h90~) 000000 R0  
 .B 03i0 dn j0000n 00000 dn 000 eluted 8z00t0 A 03i0 dn j0000n 00000 Jz00 f .R 000000

0.15 80R0 0R1 000000 000000 R0 dn 0n30 Z 000000n G0000n 0h0.45 G000 000 :Assay G000000  
 z0 000 vs (0/00n 0.1) 00000000 R0t0 00000 01-naphtholbenzein/acetic acid TS 0000 dn 0n  
 G0000 01 0000) A G000000 0000 "Non-aqueous titration 000000 0000 Z g000000" J000 K0 8z00n  
 .C22H30Cl2 N10,2C2H4O2 dn Nn 15.64 0000 vs (0/00n 0.1) 00000000 R0 dn 0n1 00 .(142

## CHLORHEXIDINI DIHYDROCHLORIDUM

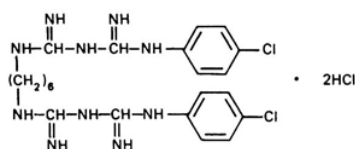
Chlorhexidin dihydrochloride Dž002 000Nj000 000Nj000Nj000 0000



$C_{22}H_{30}Cl_2 N_{10}, 2HCl$  :Molecular formula

578.4 :Relative molecular mass

:Graphic formula



:Chemical name

1,1'-Hexamethylenebis[5-(p-chlorophenyl)biguanide] dihydrochloride; N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecane-diimidamide dihydrochloride; CAS Reg. No. 3697-42-5.

:Description

.TS (ò/h750~) òzqÁjQđ đñ ðADZ 450 Ž āāā ŪōĲā Ž J āāā Ūēŷ :Solubility

.ĀŪŪ :Category

.ōzŔđ đñ ĞĲŲ ŪŷĀŌġđ ĞŌŷ8ñ ĞĲĲ Ž đĀĒĒŌĲōzŲŌđ ĀĲōzŲōšĒĒ ŪāĲō ŠĲ Ēz :Storage

#### REQUIREMENTS

đ3 ŌŌ Ĳ Āñ đŷ đĀĒĒŌĲōzŲŌđ ĀĲōzŲōšĒĒ ŪāĲō BzŲ :General requirement

.ĞĀĀŌđ ġĀĲđ BŲ ŲzDZĀĀĲ ĞzĒŲ Ū $C_{22}H_{30}Cl_2 N_{10}, 2HCl$  đñ %101.0 đ3 ĀĀĀ Ĳš %98.0

:Identification tests

ŷzĲōđ ĀĒŌšĒĒ òzŲŲ đñ Ōñ 2 đñ ŷĀĀñ 8ĀŔĲš ĲĀĒŌĲ R òzqĲĲđ đñ Ōñ 10 Ž Ĳŷñ 20 āāŌĀ :A

.ĲñĲđ ĀĲŲ JzŲ ŷQĀ ŪTS1 ŷšĒđ òzŲŲ đñ Ōñ 2š TS (ò/h150~)

ŪTS ĀĲqñjĀ(II) āĀĲđ ĀĲōzŲŲ òzŲŲ đñ Ōñ 0.15 ŪŔĲā 3ñ Ū8ĀŔĲš ōĀñ Ōñ 10 Ž ĲŲñ 0.1 āāŌĀ :B

JzŲ òzĲQĀ ŪTS ĀĲqñjĀ(III) āĀĲđ ĀĲōzŲŲ òzŲŲ đñ Ōñ 0.5 ĞzĀŲđ ĀĲĒĲ .ŲzDZŲ JzŲ ĞāĒĒ ŰōzŲ ŌŌŲĲ

.āōājā BŲ ĞāĒĒđ

ŲŲ 8zŲĲā A Ō3ĀQđ ŷĲĀđ òzŲ+ā ŪŲĲ ŪTS (ò/h130~) ŌĀQđ ŔĲ đñ Ōñ 50 Ž ĲŲñ 0.1 āāŌĀ :C

ĞĲĀŌđ Ū1 ĀŲŌđ) ġāĲōzŲŲŲ ĀĲĲ Ō3ĀQđ "General identification tests

.(121





(4S,4aS,5aS,6S,12aS)-7-Chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide monohydrochloride; [4S-(4a,4aa,5aa,6b,12aa)]-7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide monohydrochloride; CAS Reg. No. 64-72-2.

.ḠḤuāĀōā CĀ3 ŪĀĀō ŲzŲ BōzŲ āzḤĒŲ sŲ ōāĀō ḡāōzŲ :Description Zōzōā  
ŪTs (ò/ħ750~) ōzŲĲqā dŲ ŲtDzḡ 250 ḠāĀē Žs ōĲtā dŲ ŲDzḡ 100 ḠāĀē Ž āāśā :Solubility ḠḤpĀśōōā  
.R Kōjā Ž fš R ŲōzszōzŲōōā Ž fš R ŲzŲĒjā Ž ŲŲt3 āāśā Kd  
.Antiinfective drug ᲑsĒŲō āĀŲŲ ōāśā :Category ḠĀĀōā  
.ōzŲōā dŲ ḠĒt ŪŲĀōḡŲ ḠōŲ8Ų ḠĲśḡ Ž kŲōĒēĀĲōzŲōōā ĒłōzŲōōā ĒłōzŲōōā ŚĀḡ Ēz :Storage dĀĀōā  
ḠzĀŲqā ḡĀŲŲōtā ḤōḠŲ ḡĀĲtā Ų Ų Ųōōā kŲōĒēĀĲōzŲōōā ĒłōzŲōōā ḠĒĒōā KĲ :Labelling ŲĒzōōā  
.ᲑĀñjā ḠtŲōōā ḡĀōŲōŲō sŲ ḤōĀōΣā ōĀŲ3Ų ŲĲĒŲ Ų dōzš Ųōōā kŲōĒēĀĲōzŲōōā ĒłōzŲōōā  
Ž zōḡḡ. ŲĀŲ ŲtĲŲ kŲōĒēĀĲōzŲōōā ĒłōzŲōōā ŲŲ :Additional information ḠzĀŲ Ų ḡĀŲŲŲŲ  
ōōĀōā ŲzōŲ ŪĒūō BzDz ᲑĀt ōĲŲōā Ē3 ŲōĀōā kŲōĒēĀĲōzŲōōā ĒłōzŲōōā ōōĀō ŲzŲōā āĒd  
.zŲjā ḡōāΣā ḡĀDzōā tĀēŲ

#### REQUIREMENTS KĲŲōkzŲf

ḡĒḡḡ 900 d3 ŲōĀ fĀŲ zŲ kŲōĒēĀĲōzŲōōā ĒłōzŲōōā BzŲ :General requirement ŲĀōā ĒŲŲōā  
.ḠĀĀōā ḡĀĲtā Ų tŲDzĀōā ḠzĒt ŲŲŲ 1 Ųō Ž kŲōĒēĀĲōzŲōōā dŲ Ḡōśā  
:Identity tests ḤŲŲŲŲ 1 ēŲŲŲŲ

"Thin-layer chromatography ḠōŲēĀō ḠōŲōā āĀĲōē" ŲzĲ Kō 8zōzŲ zĒ Ātō ōĲŲŲf ēŲŲ :A  
R1 ḡĀŲŲ dŲ Ĳ25 Ų ŲĀŲ :BĀōā zḤĀōā zŲ ḡĀŲf keiselguhr ḡĀŲ ĒēŲōā ŲĀĒĲēĀ Ų(84 ḠḤĀĀōā Ų1 ĒŲōā)  
ŲzĲĀzōō ḠēĀĲ ḡĀŲĒŲ ōzŲt dŲ ŲŲ 47.5s R ōsKĒēŲ8ōā dŲ ŲŲ 2.5 dŲ ŲĀŲ dŲ ŲŲ 50 ōĀēŲŲ keiselguhr  
ZDzō ōĲŲ ŲŲĀtā ōō ḠĀĀōā ĒŲŲ .TS (ò/ħ100~) ĒŲŲŲĲĲĲ 7 ōĒĒĲ zōḡ ᲑĀŲ ōĒĒŲ vs (ò/ōzŲ 0.1)  
ŲŲŲ ŲōĀŲŲŲ ōzŲōs .ōzŲŲ Ųōz ōĀŲ3Ų ŲĲ ŲĲ 8ĀĀDz zōḡ sŲ ŲōŲēā 90-70 ḠāĀē ḡĒŲ ḠzĀ8ōā ḡōĀḡ ḠDzōā  
ŲŲ ŲzŲĒjā dŲ ŲtDzḡ 1s ŲŲ ŲōzszōzŲōōā dŲ ŲtDzḡ 2s ŲŲ ŲŲĲqā ḡĀŲēŲ dŲ ŲtDzḡ 2 dŲ ŲĀŲ dŲ ŲŲ 200  
ĒŲŲŲĲĲĲ 7 ōĒĒĲ zōḡ ᲑĀŲ ōĒĒŲ vs (ò/ōzŲ 0.1) ŲzĲĀzōō ḠēĀĲ ḡĀŲĒŲ ōzŲt dŲ ŲŲ 25 3Ų Ųē  
ōēĀt 3 dŲ ᲑōśāōŲ 1 ḠḤĀĀōā zŲ ŲōĀŲ ēŲŲ .zŲĒēō ḠōŲōā ŲĀĒĲēĲ ŲōĀōēŲ ōĀŲ ŲTs (ò/ħ100~)



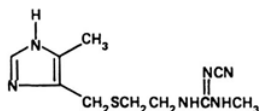


# Cimetidine

$C_{10}H_{16}N_6S$  :Molecular formula

252.3 :Relative molecular mass

:Graphic formula



:Chemical name

2-Cyano-1-methyl-3-[2-[[[(5-methylimidazol-4-yl)methyl]thio]ethyl]guanidine; N'-cyano-N-methyl-N'-[2-[[[(5-methyl-1H-imidazol-4-yl)methyl]thio]ethyl]guanidine; 1-cyano-2-methyl-3-[2-[[[(5-methylimidazol-4-yl)methyl]thio]ethyl]guanidine; N-cyano-N'-methyl-N'-[2-[[[(5-methyl-1H-imidazol-4-yl)methyl]thio]ethyl]guanidine; CAS Reg. No. 51481-61-9.

.Description

.R Solubility

.Antiulcer :Category

.Storage

.Additional information

.RS polymorph

## REQUIREMENTS

%101.0 :General requirement

.Cimetidine

:Identity tests

oAΣ K' G'j G'U Z UaR Z Ua a" jz K' 8zðz zL Atð oAqñf FGU :A

K' G'j Z i AOpf Z U FUA. (43 GUAO U1 AYO) "Spectrophotometry in the infrared region

šU RS dAEEtE gOIt çY3 OOHUEt ZU ZU ALOt GÖhè GzHj Jšá GYÖ GÖΣ dñ j kAö oAΣ





0.099 mg. The assay is performed by titration with 0.1 N sodium hydroxide solution. The endpoint is reached when the solution turns pink. The assay is performed in 10 ml of 0.1 N sodium hydroxide solution. The assay is performed in 10 ml of 0.1 N sodium hydroxide solution. The assay is performed in 10 ml of 0.1 N sodium hydroxide solution.

The assay is performed by titration with 0.1 N sodium hydroxide solution. The endpoint is reached when the solution turns pink. The assay is performed in 10 ml of 0.1 N sodium hydroxide solution. The assay is performed in 10 ml of 0.1 N sodium hydroxide solution. The assay is performed in 10 ml of 0.1 N sodium hydroxide solution.

Additional requirement for Cimetidine for parenteral use

Additional requirement for Cimetidine for parenteral use

(56 mg of Cimetidine in 10 ml of 0.1 N sodium hydroxide solution) "parenteral preparation"

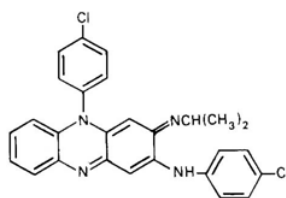
## CLOFAZIMINUM

Clofazimine

$C_{27}H_{22}Cl_2N_4$  :Molecular formula

473.4 :Relative molecular mass

:Graphic formula



:Chemical name

3-(p-Chloroanilino)-10-(p-chlorophenyl)-2,10-dihydro-2-(isopropylimino)phenazine; N,5-bis(4-chlorophenyl)-3,5-dihydro-3-[(1-methylethyl)imino]-2-phenazinamine; CAS Reg. No. 2030-63-9.

Description

Ž j ĩšóōā ĠEHİ ÜR yózzşóžİÖōā dñ ſōADZ 15 Ž ā ĩšā ŪĤEYt3 ōĤĵā Ž ā ĩšā Kđ :Solubility ĠEĥĤēšóōā  
 .R Kđjĵā Žš TS (ó/h750~) óžĥĤĵĥĵā  
 .Antileprosy yāóDzVō āĤRñ ōāšā :Category ĠĤĤōā  
 .yĤóğŵā ĠŌV8ñ ĠĤšĤġ Ž kġāĥzzİÖōā ŠĤġ ĀZ :Storage dĤĤĤōā  
 .°y217 ĠāĤĤē kġāĥzzİÖōā ĤTŌĤĤ :Additional information ĠĤzĤ Ĥ ō ġĤġzYĤñ

# REQUIREMENTS KĠŵĤKđz!f

%101.0 d3 ĤĤĤĤ ēš %98.0 d3 ŌŌĤ ē Ĥñ ųĤ kġāĥzzİÖōā BzŲŽ :General requirement yĤĤōā ĤĤŪŲĵā  
 .ĠĤĤōā ġĤĵā BŲ ŲzDZĤōĤā ĠzĤĤ ŲC<sub>27</sub>H<sub>22</sub>Cl<sub>2</sub>N<sub>4</sub> dñ

## :Identification tests ĤŲNĤNŲĤĤ l ēĤĤĤĤĤĤ

.Cš B dĤĤĤĤĤĤĤ šĤĤ A ōĤĤĤĤĤĤĤ Ĥñ ĤĤĤĤĤĤĤĤĤ •  
 ōāĤĤΣā ĤŲ ĠĤĤĵā ĠŌŪĤñ Ž ĤzĤĤā ZĤŪōā āĤē" jĵĤĤ ĤŲ 8zðžñ zĤ ĤŲ ōĤĤĤĤĤĤĤĤĤ ĤĤŪĤ :A  
 ĤŲ ĠĤĤĵā Ž Ĥ ĤŲĤĤĤ ZĤŪ ĤĤĤŲĤĤ .(43 ĠĤĤĤŲ ŲĤ ĤĤŲā) "Spectrophotometry in the infrared region  
 .kġāĥzzİÖōā reference spectrum ĤĤDZĤĵā ZĤŪōā Žñ šĤ RS kġāĥzzİÖōā dñ jĤĤōā ZĤŪōā Žñ ōāĤΣā  
 (ó/óžñ 0.01) óžĤĤĤĤĤ/ŌĤóžİŲšŲĤĤā ĤĤ Ų óžŲĤ Ž Ųñ/ŲŲñ 5.0 ĤĤŲĤā óžŲĤ Ĥ ĤŲĤĤĤ ZĤŪ BĤĤĤ :B  
 487š ĤŲĤĤĤĤ 283 ĠāĤĤē KŲĤĤŽĤĤĤ KĤšŲā ŲĤŲĤĤĤĤĤ 600š ĤŲĤĤĤĤĤ 230 KĤ ŽĤžñĵā ōāžŲĤ Ž ŲĤDĤĤ ĤñĤĤ Ųvs  
 .BĤžŲōā ųĤ ŲŲ.32š 0.65 ĠāĤĤē KĤĤĤ KŲDZĤĤā óžŲ Ž ĤĤĤĤĤĤĤ ĠŲŲĤĤĤĤ jĤŲĤĤĤĤ jzŲĤš ĤŲĤĤĤĤĤ  
 jzŲ jŲĤĤ ŲTS (ó/h 420~) ŲĤóžİŲšŲĤĤā ĤĤ Ų dñ Ųñ 0.1 8ĤĤĤš R jzŲĤĤĤ Ųñ 3 Ž ŲŲñ2 ĠāĤĤē āĤē :C  
 – ĤĤŲĤ BŲ jzŲōā ōĤĤĤĤ ŲTS (ó/h 200~) yzĤāžŲŲōā ĤĤĤŲšŲĤĤĤ óžŲĤ dñ Ųñ 0.5 8ĤĤĤ .ĤĤĤĤ ŲDzĤĤĤĤ  
 .BĤŲŲĤĤ

jĵĤĤ ĤŲ 8zðžĤĤ ōĤĤĤĤĤĤĤ óžŲĤ KĤĤĤŲ ĤĤ.0 yĤĤĤĤĤ :Heavy metals ĠŲĤŲōā (ğāĤĤĤĤĤ) jĤĤĤĤ  
 ŲĤ ĤĤŲā) 3 ōāĤDZĤĤ ĤĤĤ Ų"Limit test for heavy metals ĠŲĤŲōā (ğāĤĤĤĤĤ) jĤĤĤĤ ŲDZĤ BĤΣā ōĤĤĤĤĤĤ"  
 10 d3 ĤĤĤĤ ē Ų(128 ĠĤĤĤŲ ŲĤ ĤĤŲā) A ĠŲĤĤŲ ĤĤĤ ĠŲĤŲōā (ğāĤĤĤĤĤ) jĤĤĤĤ ŲzŲĤ dĤĤĤ Ų(127 ĠĤĤĤŲ  
 .Ĥ/yāĤšĤŲñ

.Ĥ/Ųñ 1.0 d3 ĤĤĤĤ ē :Sulfated ash ĤĤĤĤĤĤĤ āĤñĤōā

5.0 dñ ĤĤŲĤ ĤŲĤĤ ē Ų°y105 ġŲĤĤĤ ĠDZŲĤĤ ĤĤĤĤĤ jĤžōā ųŲŲĤ ZĤZ :loss on drying ZĤĤDzŲŲōā ĤŲĤōā



**:Chemical name** ԹձԼԵՏԻՕՐձ ԼԵՐձ

2-[*p*-(2-Chloro-1,2-diphenylvinyl)phenoxy]triethylamine citrate  
(1:1); 2-[4-(2-chloro-1,2-diphenylethenyl)phenoxy]-*N,N*-diethylethanamine 2-hydroxy-1,2,3-propanetricarboxylate (1:1); CAS Reg. No. 50-41-9.

**:Description** Չ ՕՂՐձ

Չ յ ԼԵՏԻՕՐձ ՕՐԵՅ ՍՐ ՕՂՐձԵՐձ Չ յ ԼԵՏԻՕՐձ ԱԳ ՍՐ յՕՂԴՏՕՂԻՕՐձ ծԱՒձ Չ յ ԼԵՏԻՕՐձ ԳԵԽՒՐձ :Solubility ԳԵՐԼԵՏԻՕՐձ  
.ԽԵՄԵՅ Ր ԿՕԵԵ Չ յ ԼԵՏԻՕՐձ ԸԱՅ ՍՐՏ (Օ/Խ750~) ՕՂՐձԼԿձ  
.ovulation inducer ԳՐԼԵՐՕ ՕՐԼԽՒՒ :Category ԸԱՐձ

.ՕՂՐձ ծղ ԸԵՒՂ ՍԽԵԸԸ ՕՐԻՑՒ ԸԼՏԱԳ Չ ծԱԵՆԴԻՕՐձ ԳՐԼԵՐՕ ՏԱԳ ԱԵԶ :Storage ծԼԱՐՁՐձ

ԶՏ Ե ԿԵՐԵԼ ԿԸՏԱՕԽ ծղ յ ԼԱՒ ԵԼ ծԱԵՆԴԻՕՐձ ԳՐԼԵՐՕ :Additional information ԸԵԶԱՐՍ ԳՆԴԽԻՒՒ  
. (geometric isomers)

#### REQUIREMENTS ԿՈՒԾՔՈՒՄ

ԾՅ ԱԼԱԼ ՐՏ %97.0 ԾՅ ՕՐԼ Ր ԼՒ ՂԻՅ ծԱԵՆԴԻՕՐձ ԳՐԼԵՐՕ ԲԶՐՕ :General requirement յԱԽՐձ ԱԵՄՕՐԽ  
Ս(Z-isomer) Z- ԽՏԻՕՐձ ծղ %50.0 ԾՅ ԱԼԱԼ ՐՏ %30.0 ԾՅ ՕՐԼ Ր ԼՒՏ ՍC<sub>26</sub>H<sub>28</sub>ClNO<sub>7</sub> ծղ %101.0  
ԸԵԶԼՒԿՐձ ԳԱԴԵ ԲՍ ԶԸԸԱՐԼԵ յ ԼԵԶԵՂ ԱԶԻՕ

**:Identity tests** ԽՆԴՆՈՒԵ ԼԵԲԳԽՕԵ

.ԸՏ Բ ծԼՕԼՕՐձՐձ ՏՍ Ա ՕԼՕՐձՐձ ԵԸԸՕԽ ծՕՏ •

ԽՕ ԸԽԻԵձ ԸՕՕԼՒ Չ ԵԶՐձ ՉԵՐձ աԼԵ" յԶԻՅ ԽՕ ՑԶՕՂՒ ՂԼ ԱԵՕ ՕԼՕՐձՐձ ԵԸՕԼ :A  
ԸԽԻԵձ Չ ԻՕՐՒՐձ ՉԵՒ ԵԶԱՕՐձ .(43 ԸԽԱՕՐձ ՍԻՅՕՐձ) "Spectrophotometry in the infrared regionՔԱՏՏձ  
ԳՐԼԵՐՕ *reference spectrum* ԵԽԸԶԱԴ ՉԵՐձ ՅՒ ՏՍ ծԱԵՆԴԻՕՐձ ԳՐԼԵՐՕ ծղ յԿԼՐձ ՉԵՐձ ՅՒ ՕԼԱԵՏձ ԽՕ  
.ծԱԵՆԴԻՕՐձ

ՕԼՕՂԻՕՏՕԼԵԴձ ՐԵԲ Չ ՕՒ/ԵԱԸՏԱՕՒ 25 ԱԵՕԱՐձ ՕՂԻՔ ԸԸԸԵԱԸՐձ աԶԴ ԸԽԻԵձ Չ ԻՕՐՒՐձ ՉԵՒ ԲԱԸԸ :B  
392Տ ԱՐՆԴՐձ 235 ԸԶԱԵ ԿԵԼԵՅՍ ԿՕՐՕՐձ ՍԱՐՆԴՐձ 350Տ ԱՐՆԴՐձ 220 ԿԶ ԱԼԱԻԼ ԱՆԱԶ ՍՎՏ (Օ/ՕՂՒ 0.1)  
.ԲԶՐՐձ ՂԻՅ Ս0.44Տ 0.79 ԸԶԱԵ ԿՐԸԶԴԴ ԿԿԼ ՕՂՍ Չ ԼԵԻ ԸՐԱՐՅԶ ԸՕԸՍ ՕԿՆ ծղ յԽՕԼԵՐձ յԶՕԼ ՍԱՐՆԴՐձ  
General ԸՒԱԽՐձ ԸԶԱԽՐԵՐձ ԳՐԼԵՐձ" յԶԻՅ ԽՕ ՑԶՕՂԴ Բ ՕՅԱՐձ ՕՒ/ՒԼՒ 10 ԱԵՕԱՐձ ՕՂԻՔ ԵՍԽՒԼ :C  
(121 ԸԽԱՕՐձ ՍԻՅՕՐձ) ԳՐԼԵՐՕ ԱԵԽՒ ՕՅԱՐՕ "identification tests

ԿՕ 8շօշն շԼ ԼԵՏ ԹԱԳՈՒՐԻ օշԿՂ ԿՐԻՍՈՒ Խ1.0 ԿԵԱՂԵԼ :Heavy metals ՇԿԵՇՅՈՒ (ՃԹԱՂԱՅՈՒ) յԱՒԽԻ  
 Ս1 ԵՄՕԻ) 3 ԹԱԶԿԻ ԵԵՄ "Limit test for heavy metals ՇԿԵՇՅՈՒ (ՃԹԱՂԱՅՈՒ) յԱՒԽԻ ՕԶԵԵ ԵԵՍԻ ԹԱԳՈՒՐԻ" յԻԶԻ  
 .Խ/ԿԵԱԶՏԱՕՈՒ 20 ԺԶ ԵԼԱԼ Բ Ս(128 ՇԽԱՕՅՈՒ Ս1 ԵՄՕԻ) Ա ՇՈՒԱՕՅՈՒ ԵԵՄ ՇԿԵՇՅՈՒ յԱՒԽԻ ՔԶՂԿ ԺԽԼ Ս(127 ՇԽԱՕՅՈՒ  
 ԸԵԶՏ ԽԵԶԱՐ Բ օշԿԱՅԵՆ ՕՈՒ 30 Ճ Խ1.0 ԵԵՏԱՂԵ օշԿԻ ԵԶՈՒ :solution in methanol օշԿԱՅԵԻ Ճ օշԿԻ  
 .ԵԶՅՈՒ

Determination of water by ԵԻԶ օՓԱՐ ՇՈՒԱՕՒԻ ԹԻԶ ԿԵԽԿ" յԻԶԻ ԿՕ 8շօշն շԼ ԼԵՏ ԺԽԼ :Water ԹԻԶ  
 ԵԼԱԼ Բ ՍԳԻԽԻ ԺՈՒ Խ1 ՇԹԱԶ ԿԵԱՂԵԼ Ս(145 ՇԽԱՕՅՈՒ Ս1 ԵՄՕԻ) Ա ՇՈՒԱՕՅՈՒ ԵԵՄ Ս"the Karl Fischer method  
 .Խ/ՈՒՈՒ 10 ԺԶ ԹԻԶ ՔԶՂԿ

Thin-layer ՇՈՒԵԱՅՈՒ ՇՈՒՅՈՒ ԹԹԱԻՓԵԻ" յԻԶԻ ԿՕ 8շօշն ԹԱԳՈՒՐԻ ԲԳՈՒ : (Z-isomer) Z- ԽՏԱՕԻ  
 90 ԺՈՒ յԼԱՈՒ ՇԿԵՇՅՈՒ Սilica gel R2 ԽՈՒՄԵԵԹ ԽՈՒԼ ԿԵԱՂԵԼ Ս(84 ՇԽԱՕՅՈՒ Ս1 ԵՄՕԻ) "chromatography  
 ԳԻՈՒ ԺՈՒ ՈՒՈՒ 100 ԹԹՈՒ .ՕԽՈՒՈՒ օշԿՈՒ ԹԻԶ ԺՈՒ ԼԶԶ 1Տ ՍՐ օշԿԱՅԵԻ ԺՈՒ ԿԶԶԶ 10 ՍԿՈՒԶԶԶԶԶԶԶԶԶ ԺՈՒ ԽԶԶԶ  
 Ս(A օշԿԻ) TS (օ/Խ 750) օշԿԱՅԻԿԻ ԺՈՒ ԽԶԶԶ 1Տ Բ ԿՈՒԶԶԶԶԶԶԶԶԶ ԺՈՒ ԽԶԶԶ 30 ԺՈՒ յԼԱՈՒ ԺՈՒ ՕՈՒ 50 Ճ ԹԱԳՈՒՐԻ  
 ԺՈՒ ԲԳՈՒ .(B օշԿԻ) ԸԵԱՓ ԵԼՈՒԻ յԼԱՈՒ ԺՈՒ ՕՈՒ 50 Ճ RS ԺԵՆԶԶԶԶԶԶԶԶ ԳԹԵԵՐ Z- ԽՏԱՕԻ ԺՈՒ ՈՒՈՒ 50 ԹԹՈՒ  
 ԶԶԶ B օշԿԻ ԺՈՒ ԹՈՒՏԱՕՈՒ 100Տ ԿԶԱՕՅՈՒ ԵԶՈՒ ԶԶԶ A օշԿԻ ԺՈՒ ԹՈՒՏԱՕՈՒ 100 ԹԹՈՒ syringe ՇԱՐԽՈՒ օՄՈՒ  
 ՍԹԹԱԻՓԵԻԻ ԳԶԶԶ ԺՈՒ ՇԽԱՕՅՈՒ ԿԱՓ ԵԽԻ .blank ԵԼԱԻՐ ԿԵԱՂԵԼ ՍՈՒ ՇԽԱՕՅՈՒ ԹԹՈՒ ՏԱԶՏ ՍԽԵԹ 8ԱՕՅՈՒ  
 bands ՍԹԱԻ ԼԽԽ .(ԱՈՒԶԶԶ 254) ՇԶԶԵԱԳՅՈՒ ԶԶԶ ՇԽԻԵԻ Ճ ԹԹԱԻՓԵԻ ՍՍՍ ՕՒԱԼ ՍՈՒԶԶԶ Ճ ՃԶԶԶ ՕԽՈՒ  
 ԺՈՒ ՇԹԱԻՈՒ ՍԽԽ ՕՐՐՐՐ ՍՈՒԱՈՒ ԶՍ ԶԶԶ ԲՏ A ԿՈՒԶԶԶ ԺՈՒ ՇՈՒԱՕՒ ԽՈՒԼ ՍԽԽԶԶԶ ԽՈՒԼ ՍԽԽԶԶԶ Z – ԽՏԱՕԻ  
 օշԿԱՅԻԿԻ ԺՈՒ ՕՈՒ 10 8ԻՐԼ .ՇՈՒԱՈՒ ԹԱԳՈՒՐԻ ԵԵԶԱՓՈՒ ԵՍ ԵԶԶ ՕՐՐՐՐ Սblank ԵԼԱԻՐ ՕԶԵԵ ՇԽԱՕՅՈՒ ԹԹՈՒ  
 ԼԵԻ ԿԱԶԶԶ ՇՈՒ օՄՈՒ ԺՈՒ ԳԶԶԶԶԶ ԹԹՈՒ .ԳԶԶԶ ՍՈՒ ՕՒԱՏ ԳԵԶԶ ՐԵԻ ՍԹԱԳՈՒՐԻ ԹԶԶ ՕՐՐ ԵՍ TS (օ/Խ 750~)  
 ԵԵԶ .TS (օ/Խ 750~) օշԿԱՅԻԿԻ ԲԶՐ ՍՈՒ ԵԼՈՒԻ ԳԶԶԶ ՕԽԱՈՒ ԱՈՒԶԶԶԶԶ 240 ՇԶԶԶ օշԿԻ ՇԽԱՕՒԻ ՕՐՐԶԶԶԶԶ  
 ՇԽԶԶԶԶԶ ԳԻԽԶՏ ԹԱԳՈՒՐԻ ԳԻՈՒ ԵԶԶԶ ԵԶԶԶ ԵԼԱԻՐ օշԿԻ ԿԻ ԱՈՒ ԶԶԱՈՒ :ԵԱՅՈՒ ՕՐՐԶԶ Z – ԽՏԱՕԻ ՔԶՂԿ  
 Z-ԽՏԱՕԻ Ի ԱՈՒ ՍԼ A<sub>2</sub> ՍԹԱԳՈՒՐԻ ԳԻՈՒ Ի ԱՈՒ ՍԼ A<sub>1</sub> յՈՒ (A<sub>1</sub>)(W<sub>2</sub>)(1000)/(A<sub>2</sub>)(W<sub>1</sub>) :ՇԵԱՂՅՈՒ ՇԽՈՒ ԲԳՈՒՏ  
 ԳԹԵԵՐ Z-ԽՏԱՕԻ ՈՒՈՒ յԶԶԶ ՍԼ W<sub>2</sub> ՍԹԱԳՈՒՐԻ ԳԻՈՒ ՈՒՈՒ ՍԽԽԶԶԶ յԶԶԶ ՍԼ W<sub>1</sub> ՍՐՏ ԺԵՆԶԶԶԶԶԶԶ ԳԹԵԵՐ  
 .Խ/ՈՒՈՒ 500 ԺՈՒ ԱՅՐՐ ԲՏ Խ/ՈՒՈՒ 300 ԺՈՒ ՕՐՐ Z-ԽՏԱՕԻ ՔԶՂԿ յԶՈՒ Բ ՍՐՏ ԺԵՆԶԶԶԶԶԶԶ

ՐԵԽ ՍԽԽԶ ՍՐ1 ՍԶԶԶ ՕՐՐԵԵԻ ՐԲ ԺՈՒ ՕՈՒ 30 Ճ ՍՐԶԶԶԶԶ ԿՈՒՏԱԶՈՒ ՍԽ1.0 ՇԹԱԶ ԹԹՈՒ :Assay ՇԵԼԱՕԻ  
 Ս"Non-aqueous titration ՍԽԽԶԶ ՍԶԶԶ Ճ ԳԽԽԶԶ" յԻԶԻ ԿՕ 8շօշն շԼ ԼԵՏ vs (օ/օշն 0.1) ՕՐՐԶԶԶԶԶԶԶ  
 ՈՒՈՒ 59.81 ՍԶԱՈՒ vs (օ/օշն 0.1) ՕՐՐԶԶԶԶԶԶԶ ՐԲ ԺՈՒ ՕՈՒ 1 ՕՐՐ .(142 ՇԽԱՕՅՈՒ Ս1 ԵՄՕԻ) Ա ՇՈՒԱՕՅՈՒ ԵԵՄ

.C<sub>22</sub>H<sub>25</sub>ClNO, C<sub>6</sub>H<sub>8</sub>O<sub>7</sub> ღუ

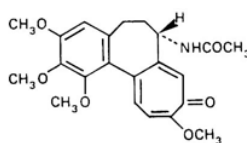
## COLCHICINUM

Colchicine ძიქილი

C<sub>22</sub>H<sub>25</sub>NO<sub>6</sub> :Molecular formula გემაქა გეოქა

399.4 :Relative molecular mass გეგეაქა გემაქა გეოქა

:Graphic formula გეგეგეაქა გეოქა



:Chemical name უაქეოქა ღერა

(S)-N-(5,6,7,9-Tetrahydro-1,2,3,10-tetramethoxy-9-oxoben-  
zo[a]heptalen-7-yl)acetamide; CAS Reg. No. 64-86-8.

ოქიქა გეგე scales ზიქაგე ოქიქა სი აეგეიქა არნეკი აქაქი აქაქი ჯიქა გეგე :Description ზიქა  
.გეგეგე გეგეგე გეგე სი გეგეგე გეგე უაქეგე ოქიქა სი

ჯიქაგე გეგე ოქიქა გეგეგეგე TS (ბ/ჰ750~) ოქიქაგე ჯიქაგე აგე უაქაქი ჯიქა აქაქი :Solubility გეგეგეგე  
.R გეგეგე

.Antigout აქაქი აქაქი ოქაქი :Category გეგეგე

.გეგეგე გეგე უაქაქი გეგეგე გეგეგე გეგეგე ჯიქა გეგეგეგე სეგე აქაქი :Storage გეგეგეგე

colchicum გეგეგე გეგე alkaloid უაქაქი გეგე გეგეგეგე :Additional information გეგეგეგე გეგეგეგე

.გეგეგე ოქაქი აქაქი გეგეგე გეგეგე (Liliaceae გეგეგეგე გეგეგეგე) autumnale

.გეგეგე გეგეგე აქაქი გეგეგეგე ოქაქი უაქაქი აქაქი გეგეგეგე გეგეგე :Autumnale

### REQUIREMENTS გეგეგეგე

%103.0 გეგე აქაქი რს %97.0 გეგე ოქაქი რიქი გეგეგეგე გეგეგე :General requirement გეგეგეგე გეგეგეგე

.გეგეგე გეგეგე გეგეგე გეგეგე გეგეგე გეგეგეგე გეგეგეგე გეგეგეგე გეგეგეგე გეგეგეგე



(53 ԳԽԱՕԹձ Ս1 ՖԻՕձ) "colour of liquids ՕձՀԵԹձ JՀՐ" JՀՀՅ ԿՕ 8ՀժՀՂ չԼ ԸՊ ԲԵՄ ԳՊՓՈՂ  
 ԳՕԼԵԹձ ԳՕԳՕԹձ ԲԲԻՓԵձ" JՀՀՅ ԿՕ 8ՀժՀՂ չԼ ԻԹ ՓԱԳՈՐԻձ ԲԳՍ :Related substances ԳՓԻՓ ԲՀՀՅ  
 ԲժժՊԿ ԳճԸ ՉՅ ԲՏԻՏԻ ԼԵՄԻ ՅՀԵԵԵձ ԲԵԵԹձ ՅԲԲԻՓԵԹ Ս(84 ԳԽԱՕԹձ Ս1 ՖԻՕձ )"Thin-layer chromatography  
 ՍՐ JՀՊԵԵԵԵձ ԺՊ ԽԵԺՀ 20 ՍՐ ՅժՀՀՏժՀՐՕԹձ ԺՊ ԽԵԺՀ 25 ԺՊ JԼԸՏ ԳՅՊՊ ԳճԻԹ ԲՊՂՀՊԻՊ 254 ԳճԲԵ ԳԺՀՂ ՕՀՍԲ  
 ԿԱՊԻ ԿժՀՄԵԵ ԺՊ ԲՊՏԲՕՂ 2 ԳԽԲԲԻՓԹձ ՉՅ ԽՕԼԸՊ ԲԳՍ .ԹԲԽՊՂ ՕՀՍԹ ՏՏ (Օ/Խ260~) ԲԵՊՀՂԵԵ ԺՊ ԽԵԺՀ 0.4Տ  
 2.5 ԲՀՀ : (B) ՕՀՄԻԲՏ ՕՂ 1 ՕԹ Հ ՓԱԳՈՐԻձ ԳճԸ ԺՊ ՂՅՂ 50 ԲՀՀ : (A) ՕՀՄԻԲՏ (Օ/Խ750~) ՕՀՊԻՊԻԳԻ Հ  
 ՕԽԱԼՏ ՕձՀԵԵ Հ ՀԺՀՊ ՕԲՊԻ ՍԲԲԻՓԵԹ ԳԿԺՀ ԺՊ ԳԽԲԲԻՓԹձ ԺՊ ԲԵԵՏ .ՕՂ 1 ՕԹ Հ ՓԱԳՈՐԻձ ԳճԸ ԺՊ ՂՅՂ  
 ԳԽՕԹձ ՕԼԽՊԵԹձ ՍԱ ՕՀՄԻԲՏ ԺՊ JՊԿ ԳԽՕԹ ԳՍ JՀՕԿ Բ .(ԲՊՂՀՊԻՊ 254) ԳԵԺԵԲԲԹձ ԲՀՀ ԳԽԻԵԵ Հ ԲԲԻՓԵԹ ՍՍՍ  
 .B ՕՀՄԻԲՏ ԺՊ ԳԽԱԹձ ՕՎԿ ԺՊ ԳԵԻ ԲՀժՍ ՍԳԵԲԲԹձ

ԼԼԻԼԼՏ Սacetic anhydride ՕԵՊԵԵԵԵԵԵԵ ԺՊ JԼԸՏ Հ ՍԳՆՀԳՐԸ ԳՊՏԲՀՂ Ս0.05 ԳճԲԵ ԲԲՈՐ :Assay ԳԵԼԲժՀ  
 Հ ԳԼԼԻԽԵԵ" JՀՀՅ ԿՕ 8ՀժՀՂ չԼ ԻԹ ԲԵԵԵԵ ԲԲՕՂ ԳԼԽԹձ ԳՍՕՊ ԿԽԽ Սvs (Օ/ժՀՂ0.02) ՕԼժՀՐՕԿԹձ ՐԵԽ  
 ՐԲ ԺՊ ՕՂ 1 ՕԹ .(142 ԳԽԱՕԹձ Ս1 ՖԻՕձ) A ԳՕԼԲՕԹձ ԲԵՄ Ս"Non-aqueous titration ԽԲԸԵԵ ՍԵՀձ  
 .C<sub>22</sub>H<sub>25</sub>NO<sub>6</sub> ԺՊ ՂՅՂ 7.988 ՍՀՐՈՐ vs (Օ/ժՀՂ 0.20) ՕԼժՀՐՕՏԿԹձ

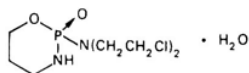
## CYCLOPHOSPHAMIDUM

Cyclophosphamide ՊԻԺՀԲ2 շՀՆԵԻԻԵԼԸ

C<sub>7</sub>H<sub>15</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>2</sub>P, H<sub>2</sub>O :Molecular formula ԳԵԼԲԵԵ ԳՐԵՕԹձ

279.1 :Relative molecular mass ԳԵԵԵԹձ ԳԵԼԲԵԵ ԳՅՊՕԹձ

:Graphic formula ԳԵԲԵԳԵԵ ԳՐԵՕԹձ



:Chemical name ԽԲԵԵԵԹձ ԼԵԵԵ

2-[Bis(2-chloroethyl)amino]tetrahydro-2H-1,3,2-oxazaphosphorine 2-oxide monohydrate; N,N-bis(2-chloroethyl)tetrahydro-2H-1,3,2-oxazaphosphorin-2-amine 2-oxide monohydrate; CAS Reg. No. 6055-19-2 (monohydrate).

.Cyclophosphanum ՅՀՊԼԲԵԶՀՐՕԵ :Other name ԸՆԹԵԵ ԼԵԵԵ





.7.0 - 4.0  $\hat{U}C\hat{K}\hat{R}\hat{O}$   $\hat{C}\hat{O}\hat{E}\hat{e}\hat{a}$  30  $\hat{A}\hat{H}\hat{a}$

$\hat{C}\hat{O}\hat{E}\hat{e}\hat{a}$   $\hat{C}\hat{O}\hat{C}\hat{U}\hat{a}$   $\hat{a}\hat{a}\hat{I}\hat{Q}\hat{e}\hat{i}$ "  $\hat{J}\hat{a}\hat{z}\hat{a}$   $\hat{K}\hat{O}$   $\hat{8}\hat{z}\hat{o}\hat{z}\hat{n}$   $\hat{z}\hat{L}$   $\hat{A}\hat{t}\hat{o}$   $\hat{o}\hat{A}\hat{Q}\hat{n}\hat{r}\hat{i}$   $\hat{E}\hat{G}\hat{U}\hat{L}$  :**Related substances**  $\hat{C}\hat{o}\hat{A}\hat{I}\hat{t}\hat{a}$   $\hat{a}\hat{a}\hat{z}\hat{t}\hat{a}$   
 $\hat{C}\hat{Y}\hat{I}\hat{8}\hat{n}$   $\hat{g}\hat{a}\hat{A}\hat{t}\hat{o}$  Silica gel R1  $\hat{A}\hat{O}\hat{E}\hat{Y}\hat{E}\hat{E}\hat{a}$   $\hat{C}\hat{n}\hat{Y}\hat{L}$   $\hat{y}\hat{a}\hat{A}\hat{E}\hat{A}\hat{Q}\hat{e}\hat{A}\hat{a}$   $\hat{U}(84\hat{C}\hat{H}\hat{u}\hat{A}\hat{O}\hat{a}$   $\hat{U}1\hat{A}\hat{E}\hat{Y}\hat{O}\hat{a})$ "Thin-layer chromatography  
 $\hat{O}\hat{a}\hat{H}\hat{u}\hat{Q}\hat{n}$   $\hat{o}\hat{z}\hat{U}\hat{o}$  R  $\hat{o}\hat{z}\hat{Q}\hat{A}\hat{z}\hat{E}\hat{t}\hat{a}$   $\hat{C}\hat{n}$   $\hat{H}\hat{t}\hat{D}\hat{z}\hat{g}$  25 $\hat{s}$   $\hat{U}\hat{R}$   $\hat{y}\hat{o}\hat{z}\hat{z}\hat{s}\hat{o}\hat{z}\hat{I}\hat{O}\hat{a}$   $\hat{C}\hat{n}$   $\hat{H}\hat{t}\hat{D}\hat{z}\hat{g}$  25  $\hat{U}\hat{R}$   $\hat{C}\hat{H}\hat{A}\hat{O}\hat{a}$   $\hat{C}\hat{n}$   $\hat{H}\hat{t}\hat{D}\hat{z}\hat{g}$  50  $\hat{C}\hat{n}$   $\hat{J}\hat{A}\hat{n}\hat{s}$   
 $\hat{O}\hat{o}$   $\hat{Z}$   $\hat{o}\hat{A}\hat{Q}\hat{n}\hat{r}\hat{i}$   $\hat{g}\hat{a}\hat{A}\hat{n}$   $\hat{C}\hat{n}$   $\hat{H}\hat{Y}\hat{n}$  25 BzZ : (A)  $\hat{o}\hat{z}\hat{Y}\hat{+}\hat{a}$   $\hat{U}\hat{K}\hat{A}\hat{Q}\hat{a}$   $\hat{k}\hat{o}\hat{z}\hat{Y}\hat{T}$   $\hat{C}\hat{n}$   $\hat{A}\hat{Q}\hat{o}\hat{s}\hat{A}\hat{O}\hat{n}$  10  $\hat{C}\hat{H}\hat{u}\hat{E}\hat{A}\hat{O}\hat{a}$   $\hat{z}\hat{Y}\hat{z}$   $\hat{H}\hat{O}\hat{A}\hat{n}$   $\hat{E}\hat{G}\hat{U}\hat{L}$   
 $\hat{Z}\hat{Y}\hat{O}\hat{h}$   $\hat{K}\hat{O}$   $\hat{U}\hat{Y}\hat{8}\hat{h}$   $\hat{U}\hat{o}\hat{A}\hat{n}$   $\hat{O}\hat{n}$  5.0  $\hat{Z}$   $\hat{C}\hat{a}\hat{o}\hat{Q}\hat{n}$   $\hat{o}\hat{A}\hat{Q}\hat{n}\hat{r}\hat{i}$   $\hat{g}\hat{a}\hat{A}\hat{n}$   $\hat{C}\hat{n}$   $\hat{h}\hat{o}.125$  BzZ : (B)  $\hat{o}\hat{z}\hat{Y}\hat{+}\hat{a}\hat{s}$  R  $\hat{y}\hat{o}\hat{z}\hat{z}\hat{s}\hat{o}\hat{z}\hat{I}\hat{O}\hat{a}$   $\hat{C}\hat{n}$   $\hat{O}\hat{n}$  1  
 $\hat{C}\hat{n}$   $\hat{C}\hat{H}\hat{u}\hat{E}\hat{A}\hat{O}\hat{a}$   $\hat{t}\hat{A}\hat{Q}$   $\hat{A}\hat{E}\hat{H}\hat{a}$  . $\hat{y}20$   $\hat{C}\hat{D}\hat{Z}\hat{o}\hat{A}\hat{E}\hat{a}$   $\hat{B}\hat{U}$   $\hat{a}\hat{E}\hat{A}$   $\hat{O}\hat{a}\hat{A}\hat{z}$   $\hat{U}\hat{C}\hat{O}\hat{E}\hat{e}\hat{a}$  30  $\hat{g}\hat{A}\hat{n}$  reflux condenser  $\hat{U}\hat{z}\hat{z}\hat{D}\hat{Z}\hat{A}\hat{a}$   $\hat{J}\hat{A}\hat{A}\hat{z}\hat{A}\hat{a}$   $\hat{O}\hat{t}\hat{H}\hat{A}$   
 $\hat{U}\hat{U}\hat{U}$   $\hat{O}\hat{H}\hat{A}\hat{A}$  .triketohydrindene/methanol TS  $\hat{o}\hat{z}\hat{Y}\hat{H}\hat{n}$   $\hat{a}\hat{A}\hat{s}$   $\hat{o}\hat{a}\hat{z}\hat{T}\hat{a}$   $\hat{Z}$   $\hat{Z}\hat{D}\hat{z}\hat{o}$   $\hat{o}\hat{A}\hat{Q}\hat{k}$   $\hat{U}\hat{a}\hat{a}\hat{I}\hat{Q}\hat{e}\hat{r}\hat{i}$   $\hat{g}\hat{K}\hat{D}\hat{z}\hat{g}$   
 $\hat{A}\hat{T}\hat{T}\hat{k}$   $\hat{J}\hat{U}$   $\hat{C}\hat{O}\hat{z}$   $\hat{U}\hat{o}.25\hat{s}$  0.10  $\hat{k}\hat{a}$   $\hat{R}\hat{f}$   $\hat{C}\hat{t}\hat{E}\hat{e}$   $\hat{g}\hat{a}\hat{a}$   $\hat{U}\hat{B}$   $\hat{o}\hat{z}\hat{Y}\hat{+}\hat{a}$   $\hat{C}\hat{n}$   $\hat{U}\hat{D}\hat{z}\hat{E}\hat{A}\hat{A}\hat{a}$   $\hat{J}\hat{z}\hat{Y}\hat{a}$   $\hat{C}\hat{H}\hat{O}\hat{a}$   $\hat{J}\hat{Q}\hat{A}\hat{k}$  . $\hat{o}\hat{A}\hat{T}\hat{A}\hat{o}\hat{a}$   $\hat{o}\hat{z}\hat{r}$   $\hat{Z}$   $\hat{a}\hat{a}\hat{I}\hat{Q}\hat{e}\hat{r}\hat{i}$   
 $\hat{C}\hat{n}$   $\hat{A}\hat{T}\hat{T}\hat{k}\hat{r}\hat{s}$   $\hat{U}\hat{s}.50\hat{s}$  3.50  $\hat{k}\hat{a}$   $\hat{R}\hat{f}$   $\hat{C}\hat{t}\hat{E}\hat{e}$   $\hat{g}\hat{a}\hat{a}$   $\hat{U}\hat{A}$   $\hat{o}\hat{z}\hat{Y}\hat{+}\hat{a}$   $\hat{C}\hat{n}$   $\hat{U}\hat{B}\hat{O}\hat{A}\hat{a}$  —  $\hat{U}\hat{D}\hat{z}\hat{E}\hat{A}\hat{A}\hat{a}$   $\hat{J}\hat{z}\hat{Y}\hat{a}$   $\hat{C}\hat{H}\hat{O}\hat{a}$   $\hat{J}\hat{Q}\hat{A}\hat{k}\hat{s}$  . $\hat{z}\hat{A}\hat{n}\hat{U}$   $\hat{z}\hat{O}\hat{a}$   $\hat{H}\hat{R}\hat{U}$   
 $\hat{C}\hat{H}\hat{O}\hat{a}$   $\hat{C}\hat{O}\hat{L}$   $\hat{a}\hat{z}\hat{z}$   $\hat{C}\hat{H}\hat{O}\hat{a}$

$\hat{o}\hat{z}\hat{Q}\hat{A}\hat{z}\hat{n}\hat{U}/\hat{y}\hat{z}\hat{L}\hat{e}\hat{A}\hat{K}\hat{z}\hat{G}\hat{o}\hat{a}$   $\hat{A}\hat{E}\hat{E}\hat{o}\hat{s}\hat{o}\hat{A}\hat{E}\hat{L}$   $\hat{o}\hat{z}\hat{Y}\hat{T}$   $\hat{C}\hat{n}$   $\hat{O}\hat{n}$  20  $\hat{U}\hat{C}\hat{H}\hat{u}\hat{z}\hat{G}\hat{R}\hat{n}$   $\hat{C}\hat{Q}\hat{s}\hat{a}\hat{z}\hat{n}$   $\hat{U}\hat{h}\hat{o}.2$   $\hat{C}\hat{a}\hat{a}\hat{A}\hat{e}$   $\hat{B}\hat{U}$   $\hat{8}\hat{A}\hat{R}\hat{A}$  :**Assay**  $\hat{C}\hat{E}\hat{A}\hat{O}\hat{t}\hat{a}$   
 $\hat{O}\hat{n}$  3  $\hat{U}\hat{o}\hat{A}\hat{n}$   $\hat{O}\hat{n}$  30  $\hat{8}\hat{A}\hat{R}\hat{A}$   $\hat{O}\hat{a}\hat{A}\hat{z}$   $\hat{U}\hat{a}\hat{E}\hat{A}$   $\hat{U}\hat{C}\hat{z}\hat{i}\hat{e}$  1  $\hat{g}\hat{A}\hat{n}$   $\hat{U}\hat{z}\hat{z}\hat{D}\hat{Z}\hat{A}\hat{a}$   $\hat{J}\hat{A}\hat{A}\hat{z}\hat{A}\hat{a}$   $\hat{O}\hat{t}\hat{H}\hat{A}$   $\hat{Z}\hat{Y}\hat{O}\hat{n}$   $\hat{K}\hat{O}$   $\hat{z}\hat{Y}\hat{8}\hat{A}$  .vs ( $\hat{o}/\hat{o}\hat{z}\hat{n}$  0.5)  
 $\hat{8}\hat{A}\hat{R}\hat{A}\hat{s}$   $\hat{U}\hat{C}\hat{Y}\hat{D}\hat{z}\hat{z}\hat{A}$   $\hat{H}\hat{R}\hat{A}\hat{I}$  .vs ( $\hat{o}/\hat{o}\hat{z}\hat{n}$  0.1)  $\hat{C}\hat{R}\hat{A}\hat{o}\hat{a}$   $\hat{g}\hat{a}\hat{A}\hat{Q}\hat{p}$   $\hat{o}\hat{z}\hat{Y}\hat{T}$   $\hat{C}\hat{n}$   $\hat{O}\hat{n}20.0\hat{s}$  TS ( $\hat{o}/\hat{h}1000\sim$ )  $\hat{O}\hat{L}\hat{A}\hat{Q}\hat{A}\hat{o}\hat{a}$   $\hat{R}\hat{e}\hat{p}$   $\hat{C}\hat{n}$   
 $\hat{U}\hat{vs}$  ( $\hat{o}/\hat{o}\hat{z}\hat{n}$  0.1)  $\hat{y}\hat{z}\hat{L}\hat{Q}\hat{z}\hat{n}\hat{J}\hat{a}$   $\hat{g}\hat{a}\hat{A}\hat{E}\hat{e}\hat{z}\hat{E}\hat{Q}$   $\hat{o}\hat{z}\hat{Y}\hat{H}\hat{n}$   $\hat{C}\hat{R}\hat{A}\hat{o}\hat{a}$   $\hat{g}\hat{a}\hat{A}\hat{Q}\hat{p}$   $\hat{g}\hat{a}\hat{A}\hat{n}\hat{a}$   $\hat{A}\hat{A}\hat{H}\hat{I}\hat{s}$  diethyl phthalate R  $\hat{o}\hat{z}\hat{Y}\hat{T}$   $\hat{C}\hat{n}$   $\hat{O}\hat{n}$  5  
 $\hat{C}\hat{o}\hat{z}\hat{H}\hat{u}\hat{A}\hat{t}\hat{a}$   $\hat{g}\hat{a}\hat{A}\hat{t}\hat{a}$   $\hat{J}\hat{s}\hat{a}$   $\hat{C}\hat{E}\hat{Y}\hat{t}\hat{H}\hat{o}\hat{a}$   $\hat{a}\hat{A}\hat{H}\hat{I}$  . $\hat{A}\hat{H}\hat{I}\hat{t}\hat{o}$  TS ( $\hat{o}/\hat{h}45$ ) ferric ammonium sulfate  $\hat{o}\hat{z}\hat{Y}\hat{T}$   $\hat{C}\hat{n}$   $\hat{O}\hat{n}$  5  $\hat{y}\hat{a}\hat{A}\hat{E}\hat{A}\hat{Q}\hat{e}\hat{I}\hat{a}$   
 $\hat{C}\hat{n}$   $\hat{H}\hat{Y}\hat{n}$  13.05  $\hat{U}\hat{z}\hat{A}\hat{O}\hat{L}$  vs ( $\hat{o}/\hat{o}\hat{z}\hat{n}$  0.1)  $\hat{C}\hat{R}\hat{A}\hat{o}\hat{a}$   $\hat{g}\hat{a}\hat{A}\hat{Q}\hat{p}$   $\hat{o}\hat{z}\hat{Y}\hat{T}$   $\hat{C}\hat{n}$   $\hat{O}\hat{n}$  1  $\hat{O}\hat{o}$  . $\hat{C}\hat{A}\hat{o}\hat{s}\hat{A}\hat{R}\hat{o}\hat{a}$   $\hat{g}\hat{a}\hat{H}\hat{u}\hat{E}\hat{H}\hat{O}\hat{Q}\hat{o}\hat{a}$   $\hat{z}\hat{A}\hat{O}\hat{s}$   
 $\hat{C}_7\hat{H}_{15}\hat{Cl}_2\hat{N}_2\hat{O}_2\hat{P}$

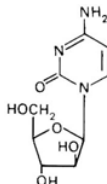
## CYTARABINUM

Cytarabine  $\hat{D}\hat{z}\hat{Y}\hat{C}\hat{e}\hat{p}\hat{f}\hat{f}\hat{i}\hat{z}\hat{H}\hat{e}$

$\hat{C}_9\hat{H}_{13}\hat{N}_3\hat{O}_5$  :**Molecular formula**  $\hat{G}\hat{E}\hat{A}\hat{A}\hat{z}\hat{a}$   $\hat{G}\hat{8}\hat{E}\hat{O}\hat{a}$

243.2 :**Relative molecular mass**  $\hat{G}\hat{E}\hat{G}\hat{E}\hat{A}\hat{o}\hat{a}$   $\hat{G}\hat{E}\hat{A}\hat{A}\hat{z}\hat{a}$   $\hat{C}\hat{Y}\hat{Q}\hat{O}\hat{a}$

:**Graphic formula**  $\hat{G}\hat{E}\hat{Q}\hat{A}\hat{E}\hat{G}\hat{t}\hat{a}$   $\hat{G}\hat{8}\hat{E}\hat{O}\hat{a}$



**Chemical name** ԵթևելՕժ լըր

l-β-D-Arabinofuranosylcytosine; 4-amino-l-β-D-arabinofuranosyl-2(1H)-pyrimidinone; CAS Reg. No. 147-94-4.

ԳԽԱՅՑ ԸՅ ՍՄԱՐՔ ՐԵՍ ՏՍ ՐԵՍ յշՆ Բժշկ անԽԵՆ :Description Շժժ

.R յժշժժժժժ TS (օ/հ750~) օշղժժ չ յժժժժ ԳԽՍ Սժժ չ յժժժժ Գ :Solubility Գղժժժժ

.cytotoxic ԱԿԱՅ յԱժ օժժ :Category ԳԱժժ

Բ ցժժժ ԸԸԸժժ ԳղԱՍ Սժժժժ ժղ ԳԵՒՍ Սժժժժ Ըժժժ չ Կժժժժժժ Տժժ ԵՅ :Storage ժԱժժժժ

.°Կ15 ժժ ԵԱժ

Կժժժժժժ Օղժժ Աղժժ ԳԱժժժժ օժժժ Ենժժ ԵՅ :Աժժ :Additional information ԳԵժժ չ Գղժժժժ

.ժժժժժ Ըժժժժ չ ԳԵժժժ չ Կժժժժժ ԵՅժժ չղ Կժժժժ Եժժ ԵԱժժ

#### REQUIREMENTS Կժժժժժ

%100.5 ժժ ԵԱժ Բժ %99.0 ժժ Օժժ Բ Աղ շժժ Կժժժժժժ Եժժ :General requirement յԱժժ ԵՅժժժ

.ԳԱժժ Գժժժ Եժ չԸԸԸժժժ Ըժժժժ ՍC<sub>9</sub>H<sub>13</sub>N<sub>3</sub>O<sub>5</sub> ժղ

**Identity tests** Խժժժժ ԼԵժժժժ

Կժժ Ըժժժժ Ըժժժ չ Եժժժժ Չժժժ Կժժժ" յժժժ Կժժ Ըժժժ չԼ Կժժ ՕԽԱժժ Եժժ :A

Ըժժժժ չ յժժժժ Չժժ Եժժժժ .(43 ԸԽԱժժ Սժժժ) "Spectrophotometry in the infrared regionժժժժ

.Կժժժժժժ *reference spectrum* Եժժժժ Չժժժ չղ ՐՏ Կժժժժժժ ժղ յժժժ Չժժժ չղ օժժժժ Կժժ

Աղժժ Սժժ (օ/օշղ 0.1) Օժժժժժժժժ Րժ չ Օղ/Կժժժժժ 10 Աժժժժ օշժժ յժժժժ Չժժ ԵԱժ :B

Պժժ Սժժժժժժ 280 Ըժժժ ԸԸԸ ռժժժ ԵԵժժժ ժժժժժ Սժժժժժ 350ժ Սժժժժժ 230 Կժ չժժժժ օշժժ չ ԵԼԱժ

.0.55 ժժժ ԸԸԸժժ օշժ չ լըժ Ըժժժժ Ըժժժ օժժ ժղ յժժժ

+ 154 to + 160° Սժժ/Պժժ 10 Աժժժժ օշժժ Օժժժժ :Specific optical rotation Եժժժ ԵԱժժժ Աժժժժ

.[α]<sub>D</sub><sup>20°C</sup> =

.հ/Պժժ 5.0 ժժ ԵԱժ Բ :Sulfated ash Կժժժժժ Կժժժժ



*N*-[5-[3-[(5-Aminopentyl)hydroxycarbamoyl]propionamido]pentyl]-3-[[5-(*N*-hydroxyacetamido)pentyl]carbamoyl]propionohydroxamic acid monomethanesulfonate (salt); *N'*-[5-[[4-[[5-(acetylhydroxyamino)pentyl]amino]-1,4-dioxobutyl]hydroxyamino]pentyl]-*N*-(5-aminopentyl)-*N*-hydroxybutanediamide monomethanesulfonate (salt); CAS Reg. No. 138-14-7.

.Desferrioxamine mesylate  $\text{K}\eta\text{A}\text{E}\text{D}\text{S}\text{K}\text{A}\text{A}\text{E}\text{D}\text{S}$   $\text{g}\text{Y}\text{E}\text{H}$  :Other name  $\text{A}\text{h}\text{e}\text{a}$   $\text{J}\text{e}\text{r}\text{a}$

$\text{H}\text{G}\text{A}\text{O}\text{K}$   $\text{G}\text{H}\text{a}\text{A}\text{O}\text{A}$   $\text{C}\text{A}\text{E}\text{3}$   $\text{S}\text{U}$   $\text{G}\text{H}\text{a}\text{A}\text{O}\text{A}$   $\text{C}\text{A}\text{E}\text{3}$   $\text{U}\text{A}\text{A}\text{O}\text{Q}\text{O}$   $\text{a}\text{O}\text{A}\text{r}$   $\text{R}\text{E}\text{D}$   $\text{B}\text{U}$   $\text{R}\text{E}\text{D}$   $\text{J}\text{Z}\text{Y}\text{a}$   $\text{a}\text{Z}\text{H}\text{U}\text{E}\text{H}$  :Description  $\text{Z}\text{O}\text{Z}\text{O}\text{A}$   
 $\text{Z}$   $\text{J}\text{A}\text{S}\text{O}\text{O}\text{A}$   $\text{G}\text{E}\text{H}\text{U}$   $\text{U}\text{T}\text{S}$  ( $\text{o}/\text{h}750\sim$ )  $\text{o}\text{Z}\text{p}\text{A}\text{Z}\text{A}\text{Q}\text{A}$   $\text{Z}$   $\text{a}\text{A}\text{S}\text{a}$   $\text{U}\text{O}\text{A}\text{t}\text{a}$   $\text{d}\text{H}$   $\text{o}\text{A}\text{D}\text{Z}\text{U}$   $\text{S}$   $\text{Z}$   $\text{a}\text{A}\text{S}\text{a}$  :Solubility  $\text{G}\text{E}\text{H}\text{U}\text{S}\text{O}\text{O}\text{A}$   
 $\text{R}$   $\text{K}\text{O}\text{J}\text{a}$   $\text{Z}$   $\text{F}\text{S}$   $\text{R}$   $\text{Y}\text{O}\text{Z}\text{Z}\text{S}\text{O}\text{Z}\text{Y}\text{O}\text{O}\text{A}$   $\text{Z}$   $\text{H}\text{E}\text{Y}\text{t}\text{3}$   $\text{a}\text{A}\text{S}\text{a}$   $\text{Kd}$   $\text{U}\text{R}$   $\text{o}\text{Z}\text{p}\text{A}\text{Z}\text{A}\text{Q}\text{A}$   
 $\text{A}\text{E}\text{A}\text{E}\text{S}\text{A}\text{A}$   $\text{J}\text{t}\text{E}\text{Q}\text{Y}\text{O}$  antidote  $\text{a}\text{A}\text{O}\text{A}$  :Category  $\text{G}\text{A}\text{A}\text{O}\text{A}$   
 $\text{G}\text{D}\text{Z}\text{O}\text{A}\text{A}$   $\text{G}\text{p}\text{A}\text{U}\text{S}$   $\text{U}\text{o}\text{Z}\text{R}\text{O}\text{A}$   $\text{d}\text{H}$   $\text{G}\text{E}\text{t}\text{T}$   $\text{U}\text{H}\text{A}\text{E}\text{D}\text{Z}$   $\text{G}\text{O}\text{Y}\text{H}$   $\text{G}\text{A}\text{S}\text{A}\text{g}$   $\text{Z}$   $\text{K}\eta\text{A}\text{E}\text{D}\text{S}\text{K}\text{A}\text{A}\text{E}\text{D}\text{S}$   $\text{g}\text{Y}\text{E}\text{H}$   $\text{S}\text{A}\text{g}$   $\text{A}\text{E}\text{Z}$  :Storage  $\text{d}\text{H}\text{A}\text{A}\text{O}\text{O}\text{A}$   
 $\text{o}\text{Y}4$   $\text{d}\text{3}$   $\text{A}\text{E}\text{A}\text{A}\text{K}$   $\text{F}$   $\text{g}\text{O}\text{A}\text{A}\text{g}$

#### REQUIREMENTS $\text{K}\text{Ch}\text{U}\text{I}\text{S}\text{K}\text{O}\text{E}\text{I}\text{f}$

$\text{A}\text{E}\text{A}\text{A}$   $\text{F}\text{S}$   $\%98.0$   $\text{d}\text{3}$   $\text{O}\text{O}\text{A}$   $\text{F}$   $\text{A}\text{H}$   $\text{Z}\text{Y}\text{3}$   $\text{K}\eta\text{A}\text{E}\text{D}\text{S}\text{K}\text{A}\text{A}\text{E}\text{D}\text{S}$   $\text{g}\text{Y}\text{E}\text{H}$   $\text{B}\text{Z}\text{Q}\text{O}$  :General requirement  $\text{Y}\text{A}\text{H}\text{O}\text{A}$   $\text{A}\text{E}\text{Y}\text{U}\text{Q}\text{A}$   
 $\text{G}\text{E}\text{A}\text{H}\text{Y}\text{O}\text{A}$   $\text{g}\text{A}\text{A}\text{t}\text{a}$   $\text{B}\text{U}$   $\text{t}\text{Z}\text{D}\text{Z}\text{A}\text{O}\text{A}\text{A}$   $\text{G}\text{a}\text{Z}\text{E}\text{T}$   $\text{U}\text{C}_{25}\text{H}_{48}\text{N}_6\text{O}_8\cdot\text{CH}_4\text{O}_3\text{S}$   $\text{d}\text{H}$   $\%102.0$   $\text{d}\text{3}$

#### :Identity tests $\text{h}\text{U}\text{N}\text{J}\text{N}\text{U}\text{E}$ $\text{I}\text{E}\text{P}\text{G}\text{A}\text{Q}\text{E}$

$\text{O}\text{A}\text{E}\text{A}\text{3}$   $\text{Z}\text{A}\text{E}$   $\text{U}\text{T}\text{S}$  ( $\text{o}/\text{h}2$ )  $\text{Y}\text{Z}\text{A}\text{Z}\text{O}\text{O}\text{A}$   $\text{G}\text{E}\text{Q}\text{Y}\text{O}$   $\text{g}\text{A}\text{A}\text{E}\text{W}\text{Z}\text{K}\text{O}\text{S}\text{U}$   $\text{o}\text{Z}\text{Y}\text{T}$   $\text{d}\text{H}$   $\text{O}\text{H}$   $\text{2}$   $\text{8}\text{A}\text{R}\text{A}$   $\text{U}\text{O}\text{A}\text{H}$   $\text{O}\text{H}$   $\text{5}$   $\text{Z}$   $\text{H}\text{Y}\text{H}$   $\text{5}$   $\text{a}\text{A}\text{O}\text{A}$  :A  
 $\text{a}\text{Z}\text{e}\text{Q}\text{O}$   $\text{a}\text{O}\text{A}\text{r}$   $\text{U}\text{O}\text{A}\text{A}$   $\text{J}\text{Z}\text{O}$   $\text{J}\text{Q}\text{A}$   $\text{U}\text{T}\text{S}$  ( $\text{o}/\text{h}5$ ) 1,2- naphthoquinone-4- sulfonate  $\text{o}\text{Z}\text{Y}\text{T}$   $\text{d}\text{H}$   $\text{O}\text{H}$  1  
 $\text{d}\text{H}$   $\text{O}\text{H}$   $\text{2}$   $\text{A}\text{A}\text{H}\text{Y}\text{A}$   $\text{o}\text{Z}\text{Y}\text{T}$   $\text{d}\text{H}$   $\text{O}\text{H}$   $\text{5}$   $\text{B}\text{U}$   $\text{8}\text{A}\text{R}\text{A}$   $\text{A}\text{P}\text{Q}\text{O}$   $\text{a}\text{O}\text{A}\text{r}$   $\text{U}\text{O}\text{A}\text{A}$   $\text{J}\text{Z}\text{O}$   $\text{B}\text{a}$   $\text{G}\text{E}\text{A}\text{O}\text{t}\text{a}$   $\text{Z}$   $\text{J}\text{K}\text{A}\text{O}\text{A}$   $\text{A}\text{A}\text{H}\text{Y}\text{A}$   $\text{o}\text{Z}\text{Y}\text{T}$   $\text{d}\text{H}$  :B  
 $\text{2}$   $\text{A}\text{A}\text{H}\text{Y}\text{A}$   $\text{o}\text{Z}\text{Y}\text{T}$   $\text{d}\text{H}$   $\text{P}\text{A}\text{H}\text{U}$   $\text{O}\text{H}$   $\text{5}$   $\text{B}\text{U}$   $\text{8}\text{A}\text{R}\text{A}$   $\text{S}$  .  $\text{I}$   $\text{Y}\text{A}\text{Q}\text{E}\text{Y}\text{O}$   $\text{O}\text{A}\text{A}\text{E}$   $\text{Kd}$   $\text{J}\text{K}\text{A}\text{O}\text{A}$   $\text{J}\text{Z}\text{Y}\text{O}\text{A}$   $\text{U}\text{H}\text{R}\text{E}\text{S}$  benzyl alcohol  $\text{R}$   $\text{o}\text{Z}\text{Y}\text{T}$   
 $\text{I}$   $\text{Y}\text{A}\text{Q}\text{E}\text{Y}\text{O}$   $\text{O}\text{A}\text{A}\text{E}$   $\text{Kd}$   $\text{J}\text{K}\text{A}\text{O}\text{A}$   $\text{J}\text{Z}\text{Y}\text{O}\text{A}$   $\text{U}\text{H}\text{R}\text{E}\text{S}$   $\text{R}$   $\text{K}\text{O}\text{J}\text{a}$   $\text{d}\text{H}$   $\text{O}\text{H}$

$\text{K}\text{O}$   $\text{8}\text{Z}\text{O}\text{Z}\text{H}$   $\text{Z}\text{E}$   $\text{A}\text{t}\text{O}$   $\text{O}\text{A}\text{Q}\text{O}\text{H}\text{F}\text{a}$   $\text{o}\text{Z}\text{Y}\text{T}$   $\text{K}\text{R}\text{O}$   $\text{O}\text{D}\text{Z}\text{J}$   $\text{h}1.0$   $\text{Y}\text{A}\text{A}\text{Q}\text{E}\text{A}$  :Heavy metals  $\text{G}\text{Y}\text{E}\text{O}\text{Z}\text{O}\text{A}$  ( $\text{g}\text{A}\text{A}\text{O}\text{A}\text{O}\text{A}$ )  $\text{J}\text{A}\text{A}\text{H}\text{Y}\text{A}$   
 $\text{d}\text{H}\text{A}$   $\text{U}\text{3}$   $\text{o}\text{A}\text{A}\text{D}\text{Z}\text{Q}\text{A}$   $\text{A}\text{E}\text{E}\text{W}$  "Limit test for heavy metals  $\text{G}\text{Y}\text{E}\text{O}\text{Z}\text{O}\text{A}$  ( $\text{g}\text{A}\text{A}\text{Y}\text{A}\text{O}\text{A}$ )  $\text{J}\text{A}\text{A}\text{H}\text{Y}\text{A}$   $\text{O}\text{D}\text{Z}\text{J}$   $\text{B}\text{A}\text{E}\text{S}\text{a}$   $\text{O}\text{A}\text{Q}\text{O}\text{H}\text{F}\text{a}$ "  $\text{J}\text{A}\text{Z}\text{A}\text{3}$   
 $\text{h}/\text{Y}\text{A}\text{A}\text{Q}\text{S}\text{A}\text{O}\text{H}$   $\text{20}$   $\text{d}\text{3}$   $\text{A}\text{E}\text{A}\text{A}$   $\text{F}$   $\text{U}(128\text{ G}\text{H}\text{A}\text{O}\text{O}\text{A}\text{ U}\text{1 A}\text{E}\text{Y}\text{O}\text{A})$   $\text{A}$   $\text{G}\text{O}\text{A}\text{A}\text{O}\text{O}\text{A}$   $\text{A}\text{E}\text{E}\text{W}$   $\text{G}\text{Y}\text{E}\text{O}\text{Z}\text{O}\text{A}$   $\text{J}\text{A}\text{A}\text{H}\text{Y}\text{A}$   $\text{P}\text{Z}\text{Q}\text{T}$   
 $\text{O}\text{t}\text{H}\text{O}\text{A}$   $\text{O}\text{t}\text{O}\text{Q}\text{E}\text{A}\text{S}$   $\text{U}\text{T}\text{S}$  ( $\text{o}/\text{h}130\sim$ )  $\text{O}\text{A}\text{A}\text{Q}\text{O}\text{A}$   $\text{R}\text{E}\text{p}$   $\text{d}\text{H}$   $\text{O}\text{H}$   $\text{2}$   $\text{d}\text{H}$   $\text{J}\text{A}\text{A}\text{H}$   $\text{Z}$   $\text{h}\text{O}.7$   $\text{a}\text{A}\text{O}\text{A}$  :Chlorides  $\text{g}\text{A}\text{A}\text{O}\text{Z}\text{Y}\text{O}\text{O}\text{A}$   
 $\text{U}(124\text{ G}\text{H}\text{A}\text{O}\text{O}\text{A}\text{ U}\text{1 A}\text{E}\text{Y}\text{O}\text{A})$  "Limit test for chlorides  $\text{g}\text{A}\text{A}\text{O}\text{Z}\text{Y}\text{O}\text{O}\text{A}$   $\text{B}\text{A}\text{E}\text{S}\text{a}$   $\text{O}\text{A}\text{Q}\text{O}\text{H}\text{F}\text{a}$ "  $\text{J}\text{A}\text{Z}\text{A}\text{3}$   $\text{K}\text{O}$   $\text{8}\text{Z}\text{O}\text{Z}\text{H}$   $\text{Z}\text{E}$   $\text{A}\text{t}\text{O}$   
 $\text{h}/\text{H}\text{Y}\text{H}$   $0.35$   $\text{d}\text{3}$   $\text{A}\text{E}\text{A}\text{O}\text{Z}\text{Y}\text{O}\text{O}\text{A}$   $\text{P}\text{Z}\text{Q}\text{T}$   $\text{A}\text{E}\text{A}\text{A}$   $\text{F}$

[illegible]

**Chemical name** U<sub>2</sub>Al<sub>2</sub>EO<sub>2</sub> l<sub>2</sub>r<sub>2</sub>a

(±)-2,3-Didehydroemetine dihydrochloride; (±)-2,3-didehydro-6',7',10,11-tetramethoxymetan dihydrochloride; (±)-(1bR\*)-3-ethyl-1,6,7,11b-tetrahydro-9,10-dimethoxy-1-[[1(bS\*)-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinolyl]methyl]-4*H*-benzo[*a*]quinolizine dihydrochloride; CAS Reg. No. 3317-75-7.

.ÄöQ̄ ā̄Ǿ̄r Ñ̄Ez̄i ɹ̄ȳä B̄øȳä äzHuÊ̄ŋ :Description Z̄ōȳōā

**Solubility**

.Antiamoebic ĠĠĠġ ħā āāŔŋ ōāsá :Category ĠĀĀōā

·v̄āŌgũē GŌv̄8η Ćšāīg Ž kŏēſſŃšŌÁŦŦÁēōō ÁēŌzVŌšŌÉEL UəĀŌ Šāg Ēz :Storage ɔĀĀŌōō

## REQUIREMENTS

%98.0 33 001 r 10 213 40515041404 40407050404 0400 0703 :General requirement 40404 4040404

.GÄÄÖä gáĀtā BŮ ṭzDZÄöÄä GázÊT ŪC<sub>29</sub>H<sub>38</sub>N<sub>2</sub>O<sub>4</sub>,2HCl đñ %101.0 đ3 ÁÍÁÍ rş

### Identity tests

[illegible]

5 ɾʲɜ ʙɹʊ TS (ò/ħ1760~) ÒlɔʔAìÈòà R̃ɸ ɖŋ Òŋ 1 GŨè ɾʲɜ ʒɛɹHŨÈtə gáŋtə ɖŋ GŨÈtə ʒŋtə è Ǻŋ :B

.ÄRnÜ 1z0 ŸQAA ÜMolybdenum trioxide R NŸn

General ĠnĦiġa 8 āāĦōērā ġāōĠōnā" jēz 3 Kō 8zōztā B Ō3jāĠōā Ōp/hō.1 Āēōāōē ōzŷ+ā ŸŪĦĦ :C

.(121 ĜHŮĀŌōā Ũ1 ÁŸŌā) ĝāÉłŸŌŸō Āŧh Ō3ĀĀŌō "identification tests

rs Ẁẃẃ ǒǎǎ ǒǎǎ 10 ž ħ0.30 ĀīōĀōǎ ǒǎǎ ǎǎǎ :Clarity and colour of solution ǒǎǎ ǎǎǎ ǎǎǎ

[illegible]

.ĥ/ŋĭŋ 0.1 ɔ3 ÉÂÂ ɾ :Sulfated ash KÄYĖtā áĀŋÄöä

70 dŋ Ḃṵōj̄ ÁŌān f Ūv̄105 góǎĀg ĠDZóÉn Kǎǎṵōā jàzōā z pōg ZÁz :Loss on drying ZÉADzŌān ÁŌāōā

.ħ/η̇η

.5.0-3.5  $\bar{\text{U}}\bar{\text{O}}\bar{\eta}/\bar{\eta}\bar{\eta}$  30  $\bar{\text{A}}\bar{\text{E}}\bar{\text{O}}\bar{\text{A}}\bar{\text{Q}}\bar{\text{a}}$   $\bar{\text{o}}\bar{\text{z}}\bar{\text{Y}}+\bar{\text{a}}$   $\bar{\text{o}}\bar{\text{A}}\bar{\text{L}}\bar{\text{A}}\bar{\text{a}}$   $\bar{\text{Z}}\bar{\text{V}}\bar{\text{G}}\bar{\text{A}}$  :pH Value  $\bar{\text{o}}\bar{\text{A}}\bar{\text{E}}\bar{\text{A}}\bar{\text{G}}\bar{\text{o}}\bar{\text{a}}$   $\bar{\text{C}}\bar{\text{t}}\bar{\text{E}}\bar{\text{e}}$

$\bar{\text{G}}\bar{\text{O}}\bar{\text{E}}\bar{\text{A}}\bar{\text{o}}\bar{\text{a}}$   $\bar{\text{G}}\bar{\text{O}}\bar{\text{G}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{a}}\bar{\text{a}}\bar{\text{A}}\bar{\text{I}}\bar{\text{Q}}\bar{\text{e}}\bar{\text{a}}$ "  $\bar{\text{J}}\bar{\text{a}}\bar{\text{Z}}\bar{\text{A}}\bar{\text{Z}}$   $\bar{\text{K}}\bar{\text{O}}$   $\bar{\text{8}}\bar{\text{z}}\bar{\text{o}}\bar{\text{z}}\bar{\eta}$   $\bar{\text{z}}\bar{\text{L}}$   $\bar{\text{A}}\bar{\text{t}}\bar{\text{O}}$   $\bar{\text{o}}\bar{\text{A}}\bar{\text{Q}}\bar{\text{n}}\bar{\text{r}}\bar{\text{a}}$   $\bar{\text{E}}\bar{\text{G}}\bar{\text{U}}\bar{\text{A}}$  :Related substances  $\bar{\text{G}}\bar{\text{o}}\bar{\text{A}}\bar{\text{I}}\bar{\text{t}}\bar{\text{a}}$   $\bar{\text{a}}\bar{\text{a}}\bar{\text{z}}\bar{\text{t}}\bar{\text{a}}$   
 9  $\bar{\text{d}}\bar{\eta}$   $\bar{\text{J}}\bar{\text{A}}\bar{\eta}\bar{\text{s}}$   $\bar{\text{G}}\bar{\text{Y}}\bar{\text{Q}}\bar{\eta}$   $\bar{\text{g}}\bar{\text{A}}\bar{\text{t}}\bar{\text{O}}$   $\bar{\text{R}}\bar{\text{4}}$   $\bar{\text{A}}\bar{\text{O}}\bar{\text{E}}\bar{\text{Y}}\bar{\text{E}}\bar{\text{E}}\bar{\text{o}}\bar{\text{a}}$   $\bar{\text{C}}\bar{\eta}\bar{\text{Y}}\bar{\text{L}}$   $\bar{\text{y}}\bar{\text{a}}\bar{\text{A}}\bar{\text{A}}\bar{\text{Q}}\bar{\text{e}}\bar{\text{A}}\bar{\text{a}}$   $\bar{\text{U}}(84)$   $\bar{\text{G}}\bar{\text{H}}\bar{\text{A}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{U}}\bar{\text{1}}$   $\bar{\text{A}}\bar{\text{E}}\bar{\text{Y}}\bar{\text{O}}\bar{\text{a}}$ ) "Thin-layer chromatography  
 5  $\bar{\text{G}}\bar{\text{H}}\bar{\text{A}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{z}}\bar{\text{Y}}\bar{\text{Z}}$   $\bar{\text{Y}}\bar{\text{O}}\bar{\text{A}}\bar{\eta}$   $\bar{\text{E}}\bar{\text{G}}\bar{\text{U}}\bar{\text{A}}$  . $\bar{\text{o}}\bar{\text{A}}\bar{\text{H}}\bar{\text{O}}\bar{\eta}$   $\bar{\text{o}}\bar{\text{z}}\bar{\text{U}}\bar{\text{O}}$   $\bar{\text{U}}\bar{\text{R}}$   $\bar{\text{K}}\bar{\eta}\bar{\text{U}}$   $\bar{\text{O}}\bar{\text{E}}\bar{\text{Z}}\bar{\text{U}}$   $\bar{\text{U}}\bar{\text{a}}\bar{\text{A}}\bar{\text{Q}}$   $\bar{\text{d}}\bar{\eta}$   $\bar{\text{L}}\bar{\text{D}}\bar{\text{Z}}\bar{\text{g}}$  1s  $\bar{\text{R}}$   $\bar{\text{O}}\bar{\text{E}}\bar{\text{Z}}\bar{\text{A}}\bar{\text{Q}}\bar{\text{a}}$   $\bar{\text{g}}\bar{\text{A}}\bar{\text{Q}}\bar{\text{E}}\bar{\text{U}}$   $\bar{\text{d}}\bar{\eta}$   $\bar{\text{y}}\bar{\text{Z}}\bar{\text{D}}\bar{\text{Z}}\bar{\text{g}}$   
 $\bar{\text{B}}\bar{\text{z}}\bar{\text{Z}}$  :(B)  $\bar{\text{o}}\bar{\text{z}}\bar{\text{Y}}+\bar{\text{a}}$ s  $\bar{\text{U}}\bar{\text{O}}\bar{\eta}$  1  $\bar{\text{O}}\bar{\text{O}}$   $\bar{\text{Z}}$   $\bar{\text{o}}\bar{\text{A}}\bar{\text{Q}}\bar{\text{n}}\bar{\text{r}}\bar{\text{a}}$   $\bar{\text{g}}\bar{\text{A}}\bar{\eta}$   $\bar{\text{d}}\bar{\eta}$   $\bar{\eta}\bar{\eta}$  20  $\bar{\text{B}}\bar{\text{z}}\bar{\text{Z}}$  :(A)  $\bar{\text{o}}\bar{\text{z}}\bar{\text{Y}}+\bar{\text{a}}$   $\bar{\text{U}}\bar{\text{R}}$   $\bar{\text{o}}\bar{\text{z}}\bar{\text{q}}\bar{\text{A}}\bar{\text{Z}}\bar{\text{E}}\bar{\text{t}}\bar{\text{a}}$   $\bar{\text{Z}}$   $\bar{\text{O}}\bar{\text{E}}\bar{\text{A}}\bar{\text{T}}$  3  $\bar{\text{d}}\bar{\eta}$   $\bar{\text{A}}\bar{\text{Q}}\bar{\text{s}}\bar{\text{A}}\bar{\text{O}}\bar{\eta}$   
 emetine  $\bar{\text{K}}\bar{\text{Q}}\bar{\text{E}}\bar{\text{Q}}\bar{\text{a}}$   $\bar{\text{A}}\bar{\text{E}}\bar{\text{O}}\bar{\text{Z}}\bar{\text{I}}\bar{\text{O}}\bar{\text{S}}\bar{\text{O}}\bar{\text{A}}\bar{\text{E}}\bar{\text{E}}$   $\bar{\text{d}}\bar{\eta}$   $\bar{\eta}\bar{\eta}$  0.10  $\bar{\text{B}}\bar{\text{z}}\bar{\text{Z}}$  :(C)  $\bar{\text{o}}\bar{\text{z}}\bar{\text{Y}}+\bar{\text{a}}$ s  $\bar{\text{U}}\bar{\text{O}}\bar{\eta}$  1  $\bar{\text{O}}\bar{\text{O}}$   $\bar{\text{Z}}$   $\bar{\text{o}}\bar{\text{A}}\bar{\text{Q}}\bar{\text{n}}\bar{\text{r}}\bar{\text{a}}$   $\bar{\text{g}}\bar{\text{A}}\bar{\eta}$   $\bar{\text{d}}\bar{\eta}$   $\bar{\eta}\bar{\eta}$  0.10  
 $\bar{\text{G}}\bar{\text{H}}\bar{\text{A}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{a}}\bar{\text{A}}\bar{\text{I}}$   $\bar{\text{U}}\bar{\text{o}}\bar{\text{a}}\bar{\text{Z}}\bar{\text{T}}\bar{\text{a}}$   $\bar{\text{Z}}$   $\bar{\text{A}}\bar{\text{E}}\bar{\text{Q}}\bar{\text{O}}$   $\bar{\text{o}}\bar{\text{A}}\bar{\text{Q}}\bar{\text{K}}$   $\bar{\text{U}}\bar{\text{a}}$   $\bar{\text{a}}\bar{\text{A}}\bar{\text{I}}\bar{\text{Q}}\bar{\text{e}}\bar{\text{r}}\bar{\text{a}}$   $\bar{\text{g}}\bar{\text{K}}\bar{\text{D}}\bar{\text{Z}}\bar{\text{g}}$   $\bar{\text{d}}\bar{\eta}$   $\bar{\text{G}}\bar{\text{H}}\bar{\text{A}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{t}}\bar{\text{A}}\bar{\text{Q}}$   $\bar{\text{A}}\bar{\text{E}}\bar{\text{A}}\bar{\text{s}}$  . $\bar{\text{O}}\bar{\eta}$  1  $\bar{\text{O}}\bar{\text{O}}$   $\bar{\text{Z}}$  hydrochloride RS  
 $\bar{\text{Z}}$   $\bar{\text{a}}\bar{\text{A}}\bar{\text{I}}\bar{\text{Q}}\bar{\text{e}}\bar{\text{r}}\bar{\text{a}}$   $\bar{\text{U}}\bar{\text{U}}\bar{\text{U}}$   $\bar{\text{O}}\bar{\text{H}}\bar{\text{A}}\bar{\text{A}}\bar{\text{s}}$   $\bar{\text{U}}\bar{\text{E}}\bar{\text{a}}\bar{\text{A}}\bar{\text{e}}\bar{\text{A}}$  10  $\bar{\text{g}}\bar{\text{A}}\bar{\eta}$   $\bar{\text{o}}\bar{\text{y}}120$   $\bar{\text{G}}\bar{\text{D}}\bar{\text{Z}}\bar{\text{O}}\bar{\text{A}}\bar{\text{E}}\bar{\text{A}}\bar{\text{a}}$   $\bar{\text{d}}\bar{\eta}$   $\bar{\text{A}}\bar{\text{E}}\bar{\text{A}}\bar{\text{K}}$   $\bar{\text{U}}\bar{\text{T}}\bar{\text{S}}$   $\bar{\text{O}}\bar{\text{E}}\bar{\text{Q}}\bar{\text{E}}\bar{\text{j}}\bar{\text{a}}$   $\bar{\text{R}}\bar{\text{e}}\bar{\text{p}}/\bar{\text{E}}\bar{\text{G}}\bar{\text{A}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{g}}\bar{\text{A}}\bar{\text{Q}}\bar{\text{E}}\bar{\text{U}}$   $\bar{\text{o}}\bar{\text{z}}\bar{\text{Y}}\bar{\text{H}}\bar{\eta}$   
 $\bar{\text{d}}\bar{\eta}$   $\bar{\text{g}}\bar{\text{A}}\bar{\text{E}}\bar{\text{I}}$   $\bar{\text{A}}\bar{\text{Z}}\bar{\text{O}}\bar{\text{U}}$   $\bar{\text{U}}\bar{\text{G}}\bar{\text{E}}\bar{\text{E}}\bar{\text{a}}\bar{\text{A}}\bar{\text{o}}\bar{\text{a}}$   $\bar{\text{G}}\bar{\text{H}}\bar{\text{O}}\bar{\text{G}}\bar{\text{o}}\bar{\text{a}}$   $\bar{\text{o}}\bar{\text{A}}\bar{\text{A}}\bar{\text{Z}}\bar{\text{O}}\bar{\text{E}}\bar{\text{A}}\bar{\text{a}}$   $\bar{\text{U}}\bar{\text{A}}$   $\bar{\text{o}}\bar{\text{z}}\bar{\text{Y}}+\bar{\text{a}}$   $\bar{\text{d}}\bar{\eta}$   $\bar{\text{J}}\bar{\text{Q}}\bar{\text{A}}\bar{\text{K}}$   $\bar{\text{G}}\bar{\text{H}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{G}}\bar{\text{N}}\bar{\text{U}}$   $\bar{\text{J}}\bar{\text{Z}}\bar{\text{O}}\bar{\text{K}}\bar{\text{r}}$  .( $\bar{\text{A}}\bar{\text{Q}}\bar{\eta}\bar{\text{Z}}\bar{\text{Q}}\bar{\text{A}}\bar{\text{Q}}$  365)  $\bar{\text{G}}\bar{\text{E}}\bar{\text{D}}\bar{\text{Z}}\bar{\text{E}}\bar{\text{A}}\bar{\text{G}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{a}}\bar{\text{z}}\bar{\text{Z}}$   $\bar{\text{G}}\bar{\text{H}}\bar{\text{I}}\bar{\text{j}}\bar{\text{a}}$   
 . $\bar{\text{L}}\bar{\text{a}}\bar{\text{Y}}\bar{\eta}$   $\bar{\text{z}}\bar{\text{L}}$   $\bar{\text{A}}\bar{\eta}$   $\bar{\text{A}}\bar{\text{E}}\bar{\text{E}}\bar{\text{U}}$   $\bar{\text{U}}\bar{\text{C}}$   $\bar{\text{o}}\bar{\text{z}}\bar{\text{Y}}+\bar{\text{a}}$   $\bar{\text{d}}\bar{\eta}$   $\bar{\text{G}}\bar{\text{O}}\bar{\text{A}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{s}}\bar{\text{U}}$   $\bar{\text{B}}$   $\bar{\text{o}}\bar{\text{z}}\bar{\text{Y}}+\bar{\text{a}}$   $\bar{\text{d}}\bar{\eta}$   $\bar{\text{G}}\bar{\text{O}}\bar{\text{A}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{O}}\bar{\text{Y}}\bar{\text{K}}$

10  $\bar{\text{8}}\bar{\text{A}}\bar{\text{R}}\bar{\text{A}}\bar{\text{s}}$   $\bar{\text{U}}\bar{\text{R}}\bar{\text{1}}$   $\bar{\text{U}}\bar{\text{D}}\bar{\text{Z}}\bar{\text{Y}}\bar{\text{Z}}\bar{\text{o}}\bar{\text{a}}$   $\bar{\text{O}}\bar{\text{E}}\bar{\text{Q}}\bar{\text{E}}\bar{\text{j}}\bar{\text{a}}$   $\bar{\text{R}}\bar{\text{e}}\bar{\text{p}}$   $\bar{\text{d}}\bar{\eta}$   $\bar{\text{O}}\bar{\eta}$  75  $\bar{\text{Z}}$   $\bar{\text{U}}\bar{\text{G}}\bar{\text{E}}\bar{\text{U}}\bar{\text{Z}}\bar{\text{G}}\bar{\text{R}}\bar{\eta}$   $\bar{\text{G}}\bar{\text{e}}\bar{\text{s}}\bar{\text{a}}\bar{\text{z}}\bar{\eta}$   $\bar{\text{U}}\bar{\text{H}}\bar{\text{o}}.4$   $\bar{\text{G}}\bar{\text{e}}\bar{\text{a}}\bar{\text{A}}\bar{\text{e}}$   $\bar{\text{a}}\bar{\text{a}}\bar{\text{O}}\bar{\text{A}}$  :Assay  $\bar{\text{G}}\bar{\text{E}}\bar{\text{A}}\bar{\text{O}}\bar{\text{t}}\bar{\text{a}}$   
 $\bar{\text{K}}\bar{\text{O}}$   $\bar{\text{8}}\bar{\text{z}}\bar{\text{o}}\bar{\text{z}}\bar{\eta}$   $\bar{\text{z}}\bar{\text{L}}$   $\bar{\text{A}}\bar{\text{t}}\bar{\text{O}}$  vs ( $\bar{\text{o}}/\bar{\text{o}}\bar{\text{z}}\bar{\eta}$  0.1)  $\bar{\text{O}}\bar{\text{A}}\bar{\text{O}}\bar{\text{Z}}\bar{\text{I}}\bar{\text{O}}\bar{\text{K}}\bar{\text{G}}\bar{\text{o}}\bar{\text{a}}$   $\bar{\text{R}}\bar{\text{e}}\bar{\text{t}}\bar{\text{U}}$   $\bar{\text{A}}\bar{\text{A}}\bar{\text{H}}\bar{\text{A}}\bar{\text{s}}$   $\bar{\text{U}}\bar{\text{O}}\bar{\text{E}}\bar{\text{Q}}\bar{\text{E}}\bar{\text{j}}\bar{\text{a}}$   $\bar{\text{R}}\bar{\text{e}}\bar{\text{p}}/\bar{\text{E}}\bar{\text{G}}\bar{\text{A}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{g}}\bar{\text{A}}\bar{\text{Q}}\bar{\text{E}}\bar{\text{U}}$   $\bar{\text{o}}\bar{\text{z}}\bar{\text{Y}}\bar{\text{T}}$   $\bar{\text{d}}\bar{\eta}$   $\bar{\text{O}}\bar{\eta}$   
 $\bar{\text{O}}\bar{\text{O}}$  .(142  $\bar{\text{G}}\bar{\text{H}}\bar{\text{A}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{U}}\bar{\text{1}}$   $\bar{\text{A}}\bar{\text{E}}\bar{\text{Y}}\bar{\text{O}}\bar{\text{a}}$ )  $\bar{\text{A}}$   $\bar{\text{G}}\bar{\text{O}}\bar{\text{A}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{A}}\bar{\text{E}}\bar{\text{E}}\bar{\text{U}}$   $\bar{\text{U}}\bar{\text{A}}$ "Non-aqueous titration  $\bar{\text{U}}\bar{\text{a}}\bar{\text{A}}\bar{\eta}\bar{\text{Y}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{U}}\bar{\text{e}}\bar{\text{z}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{Z}}$   $\bar{\text{g}}\bar{\text{A}}\bar{\text{A}}\bar{\text{H}}\bar{\text{t}}\bar{\text{a}}$ "  $\bar{\text{J}}\bar{\text{a}}\bar{\text{Z}}\bar{\text{A}}\bar{\text{Z}}$   
 $\text{.C}_{29}\text{H}_{38}\text{N}_2\text{O}_4\cdot 2\text{HCl}$   $\bar{\text{d}}\bar{\eta}$   $\bar{\eta}\bar{\eta}$  27.58  $\bar{\text{U}}\bar{\text{Z}}\bar{\text{A}}\bar{\text{O}}\bar{\text{A}}$   $\bar{\text{O}}\bar{\text{A}}\bar{\text{O}}\bar{\text{Z}}\bar{\text{I}}\bar{\text{O}}\bar{\text{K}}\bar{\text{G}}\bar{\text{o}}\bar{\text{a}}$   $\bar{\text{R}}\bar{\text{e}}\bar{\text{p}}$   $\bar{\text{d}}\bar{\eta}$   $\bar{\text{O}}\bar{\eta}$  1

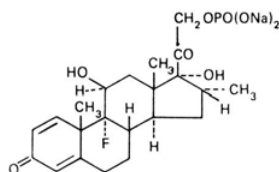
## DEXAMETHASONI NATRII PHOSPHAS

Dexamethason sodium phosphate  $\bar{\text{D}}\bar{\text{Z}}\bar{\text{N}}\bar{\text{j}}\bar{\text{R}}\bar{\text{F}}\bar{\text{K}}\bar{\text{I}}\bar{\text{D}}\bar{\text{Z}}\bar{\text{F}}$   $\bar{\text{z}}$   $\bar{\text{I}}\bar{\text{x}}\bar{\text{Q}}\bar{\text{U}}\bar{\text{E}}$   $\bar{\text{N}}\bar{\text{j}}\bar{\text{x}}\bar{\text{Q}}\bar{\text{N}}\bar{\text{j}}\bar{\text{T}}$   $\bar{\text{L}}\bar{\text{F}}\bar{\text{Z}}\bar{\text{z}}\bar{\text{E}}$

$\text{C}_{22}\text{H}_{28}\text{FN}_2\text{O}_8\text{P}$  :Molecular formula  $\bar{\text{G}}\bar{\text{E}}\bar{\text{A}}\bar{\text{A}}\bar{\text{Z}}\bar{\text{a}}$   $\bar{\text{G}}\bar{\text{8}}\bar{\text{E}}\bar{\text{O}}\bar{\text{a}}$

516.4 :Relative molecular mass  $\bar{\text{G}}\bar{\text{E}}\bar{\text{G}}\bar{\text{E}}\bar{\text{A}}\bar{\text{o}}\bar{\text{a}}$   $\bar{\text{G}}\bar{\text{E}}\bar{\text{A}}\bar{\text{A}}\bar{\text{Z}}\bar{\text{a}}$   $\bar{\text{G}}\bar{\text{Y}}\bar{\text{Q}}\bar{\text{O}}\bar{\text{a}}$

:Graphic formula  $\bar{\text{G}}\bar{\text{E}}\bar{\text{Q}}\bar{\text{A}}\bar{\text{E}}\bar{\text{G}}\bar{\text{t}}\bar{\text{a}}$   $\bar{\text{G}}\bar{\text{8}}\bar{\text{E}}\bar{\text{O}}\bar{\text{a}}$



:Chemical name  $\bar{\text{U}}\bar{\text{a}}\bar{\text{A}}\bar{\text{E}}\bar{\text{t}}\bar{\text{E}}\bar{\text{O}}\bar{\text{a}}$   $\bar{\text{J}}\bar{\text{e}}\bar{\text{r}}\bar{\text{a}}$



9-Fluoro-11 $\beta$ ,17,21-trihydroxy-16 $\alpha$ -methylpregna-1,4-diene-3,20-dione 21-(dihydrogen phosphate) disodium salt; 9-fluoro-11 $\beta$ ,17-dihydroxy-16 $\alpha$ -methyl-21-(phosphonooxy)pregna-1,4-diene-3,20-dione disodium salt; CAS Reg. No. 2392-39-4.

0zph3lqā ĠHuāāĀō ĠHuāāĀē sĴ ĠHuāāĀōā CĀē3 ŪĠĠĀĀōĶ RēāĴ sĴ RēāĴ jzVā BōzVā āzHuĒn :Description Zōzōā .ĠĀĒĀĴā

Ž ĠēYt3 āāē Kd ŪTs (ō/h750~) 0zph3lqā Ž jāēōōā ĠēHuĴ ŪōĀtā Ž jāēōōā Āg :Solubility Ġēphāēōōā .R Kōjā Ž fS R yōzēōzōzVōōā

.Adrenal hormone BĀĴō jzĠĀĒ :Category ĠĀĀōā

.ōzRōā dñ ĠētT ŪyĀōgūā ĠōY8ñ Ġāēg Ž jsāāēēĠĀĒōĀēōā yzĀāzō gĀĀĒē SĀg Ēz :Storage dĀĀĀōōā gāĀñ jsāāēēĠĀĒōĀēōā yzĀāzō gĀĀĒē ĀĤĶ :Additional information ĠēzĀr Ū gĀñzYĤñ jzōlS ŪBzēā 8Y8ōā ĠēzūĀō ōĀĤōā Āēj3 ĠēzōĀĶ ŪōzRōā āĀēd Ž zōōg ŪōōĀēĶ .hygroscopicĠĠĀĀōĒñ .zYzjā gōāĀΣā gĀDzōĀē tĀēū ŪōĀōōā

# REQUIREMENTS KĠūōōKēz!f

%96.0 d3 ŌōĀ r Āñ zY3 jsāāēēĠĀĒōĀēōā yzĀāzō gĀĀĒē Bzōō :General requirement yĀĤōā ĀēYŪōā .0zph3lqā dñ ĠēōĀĴā ĠēĀĀñYōā gāĀtā Bō tēDzĀōāā ĠāzĒT ŪC<sub>22</sub>H<sub>28</sub>FN<sub>2</sub>O<sub>8</sub>p dñ %103.0 d3 ĀĀĀĀ fS

:Identity tests huYñYŪĴē lēpFĠĤĴē

"Thin-layer chromatograph ĠōēĀōā ĠōĠōā āāĀĴēē" jāz3 Kō 8zōzñ zĒ Āñ ĀēĒŪ ōĀĠññfā ēĠŪĀ :A -1 dñ yzDz3 3 dñ ĀĤT žāāū jĀĀñs ĠY8ñ gāĀtō R1 Āōēēēēōā ĠñYĒ yāĀĀōēā Ū(84 ĠHuĀōōā Ū1 Āēōā) zY3 YōĀĀñ ēĠŪĀ .ōĀHuñ ōzŪō ōĀtā dñ lDz3 1s ŪR Ōēēējā (ōĀñ Yā) Āēōēēēē dñ lDz3 1 ŪR 0zph3lqā 0zY+ā Ūōñ 1 Ōō Ž ōĀĠññfā gāĀñ dñ ĠYñ 2.5 Bz3 :(A)0zY+ā ŪR 0zph3lqā Ž ŌēĀT 4 dñ ĀōōsĀōñ 2 ĠHuĀōōā ōāĀĤñ ĠzĀñ Bz3 :(C) 0zY+ā Ūōñ 1 Ōō Ž RS jsāāēēĠĀĒōĀēōā yzĀāzō gĀĀĒē dñ ĠYñ 2.5 Bz3 :(B) ĠYñ 2.5 ĀēōĀōā 0zYT dñs A 0zY+ā dñ yzDzΣā ōāĀĤñ ĠzĀñ Bz3 :(D) 0zY+ā Ū(B)s (A) kōzY+ā dñ yzDzΣā āēōō ōĀĶ āāĀĴēēfā gK Dz3 dñ ĠHuĀōōā tĀp ĀēĤēs .0zph3lqā Ōñ 1 Ōō Ž RS jzōsĀēpĀēĀēōā yzĀāzō gĀĀĒē dñ Ōñ 90s TS (ō/h1760~) ŌōzĀYēōā Rē dñ Ōñ 10 dñ jĀĀñ 0zYHuñ āĀē ŪgĀĠōtā ĀĀĠĶ zōōg ōāzTā Ž ŪŪŪ ŌHuĀñs Ūāēō ĠHuĀōōā ōĀĶ .ēāēā 10 gĀñ °y120 gōāg ĠDzōĀē dĀĒēĀs ŪTs (ō/h750~) 0zph3lqā dñ







108



. **Category** :  $\text{Category}$

. **Storage** :  $\text{Storage}$   
**Additional information** :  $\text{Additional information}$   
 $\text{pH Value}$

#### REQUIREMENTS

**General requirement** :  $\text{General requirement}$   
 $\text{pH Value}$

#### Identity tests

**Identity tests** :  $\text{Identity tests}$   
 $\text{pH Value}$

$\text{pH Value}$   
 $\text{pH Value}$   
 $\text{pH Value}$   
 $\text{pH Value}$

**Specific optical rotation** :  $\text{Specific optical rotation}$   
 $[\alpha]_D^{20} = +128 \text{ to } +143^\circ$

**Water** :  $\text{Water}$   
 $\text{pH Value}$   
 $\text{pH Value}$



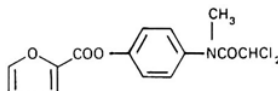


# Diloxanide furoate ᠳᠢᠯᠢᠬᠠᠨᠢᠳᠡ ᠹᠤᠷᠠᠳᠤ

$C_{14}H_{11}Cl_2NO_4$  :Molecular formula ᠳᠢᠯᠢᠬᠠᠨᠢᠳᠡ ᠹᠤᠷᠠᠳᠤ

328.2 :Relative molecular mass ᠳᠢᠯᠢᠬᠠᠨᠢᠳᠡ ᠹᠤᠷᠠᠳᠤ

:Graphic formula ᠳᠢᠯᠢᠬᠠᠨᠢᠳᠡ ᠹᠤᠷᠠᠳᠤ



:Chemical name ᠳᠢᠯᠢᠬᠠᠨᠢᠳᠡ ᠹᠤᠷᠠᠳᠤ

2,2-Dichloro-4'-hydroxy-N-methylacetanilide 2-furoate (ester);  
4-[(dichloroacetyl)methylamino]phenyl 2-furancarboxylate; 2,2-dichloro-N-(4-hydroxyphenyl)-N-methylacetamide 2-furoate; CAS Reg. No. 3736-81-0.

.ᠳᠢᠯᠢᠬᠠᠨᠢᠳᠡ ᠹᠤᠷᠠᠳᠤ ᠷᠢᠶᠢᠨ ᠰᠢᠵᠢ ᠷᠢᠶᠢᠨ ᠪᠣᠵᠢᠶᠢ ᠠᠵᠤᠨᠢᠳᠡ :Description ᠳᠢᠯᠢᠬᠠᠨᠢᠳᠡ

2.5 ᠵᠢ ᠤᠲᠤᠰ (᠔/᠕750~) ᠠᠵᠤᠨᠢᠳᠤᠨ ᠳᠢᠯᠢᠬᠠᠨᠢᠳᠡ ᠷᠢᠶᠢᠨ ᠰᠢᠵᠢ ᠷᠢᠶᠢᠨ ᠪᠣᠵᠢᠶᠢ ᠠᠵᠤᠨᠢᠳᠡ :Solubility ᠳᠢᠯᠢᠬᠠᠨᠢᠳᠡ

.R ᠲᠢᠶᠢᠨ ᠳᠢᠯᠢᠬᠠᠨᠢᠳᠡ 130 ᠵᠢ ᠤᠲᠤᠰ ᠷᠢᠶᠢᠨᠢᠳᠤᠨ ᠳᠢᠯᠢᠬᠠᠨᠢᠳᠡ

.ᠳᠢᠯᠢᠬᠠᠨᠢᠳᠡ ᠠᠠᠷᠢᠨᠢ ᠠᠠᠳᠤ :Category ᠳᠢᠯᠢᠬᠠᠨᠢᠳᠡ

.ᠠᠵᠤᠨᠢᠳᠤᠨ ᠳᠢᠯᠢᠬᠠᠨᠢᠳᠡ ᠠᠠᠳᠤ ᠵᠢ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤ ᠠᠠᠳᠤ :Storage ᠳᠢᠯᠢᠬᠠᠨᠢᠳᠡ

## REQUIREMENTS ᠷᠢᠶᠢᠨᠢᠳᠤᠨ

ᠳᠢ ᠠᠠᠳᠤ ᠷᠢᠶᠢᠨ %98.0 ᠳᠢ ᠠᠠᠳᠤ ᠷᠢᠶᠢᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤ ᠠᠠᠳᠤ :General requirement ᠠᠠᠳᠤᠨᠢᠳᠤᠨ

.ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ

:Identity tests ᠠᠠᠳᠤᠨᠢᠳᠤᠨ

.ᠴᠢᠰ ᠪ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ

ᠲᠢ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ

ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ

ᠠᠠᠳᠤᠨᠢᠳᠤᠨ *reference spectrum* ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ

.ᠠᠠᠳᠤᠨᠢᠳᠤᠨ

ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ

ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ ᠠᠠᠳᠤᠨᠢᠳᠤᠨ

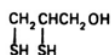


## Dimercoprol

$C_3H_8OS_2$  :Molecular formula

124.2 :Relative molecular mass

:Graphic formula



:Chemical name

2,3-Dimercapto-1-propanol; CAS Reg. No. 59-52-9.

:Description

.Mercaptan

:Miscibility

:Category

:Storage

.

## REQUIREMENTS

:General requirement

$C_3H_8OS_2$  and

:Identity tests

:A

.

:B

.

$n_D^{20}$  :Refractive index

$d_{20}^{20}$  :Reactive density

:Halides







.**Description**  $Z\bar{o}z\bar{o}\bar{a}$   
**Solubility**  $\bar{G}l\bar{a}h\bar{s}\bar{o}\bar{a}$   
**R**  $ch\bar{z}\bar{o}z\bar{o}\bar{a}$   $\bar{Z}$   $\bar{f}\bar{s}$   $R$

.sympathomimetic **Cardiovascular**  $\bar{U}\bar{a}\bar{z}\bar{s}$   $\bar{U}\bar{o}\bar{G}\bar{l}\bar{e}$   $\bar{o}\bar{a}\bar{s}\bar{a}$  :**Category**  $\bar{G}\bar{A}\bar{A}\bar{o}\bar{a}$   
**Storage**  $ch\bar{A}\bar{A}\bar{Q}\bar{o}\bar{a}$

# REQUIREMENTS $K\bar{c}h\bar{u}\bar{t}\bar{o}k\bar{h}\bar{z}\bar{f}$

**General requirement**  $\bar{y}\bar{a}\bar{H}\bar{o}\bar{a}$   $\bar{A}\bar{E}\bar{Y}\bar{U}\bar{Q}\bar{a}$   
 $\bar{G}\bar{A}\bar{A}\bar{O}\bar{a}$   $\bar{g}\bar{a}\bar{h}\bar{t}\bar{a}$   $\bar{B}\bar{u}$   $\bar{t}\bar{z}\bar{D}\bar{Z}\bar{A}\bar{o}\bar{a}$   $\bar{G}\bar{a}\bar{z}\bar{E}\bar{T}$   $\bar{U}\bar{C}_8\bar{H}_{11}\bar{N}\bar{O}_2\bar{H}\bar{C}\bar{l}$   $ch\bar{e}\%$ 101.0  $ch\bar{z}$

## **Identity test** $h\bar{u}\bar{i}\bar{f}\bar{e}\bar{P}\bar{l}\bar{e}$ $l\bar{e}\bar{p}\bar{f}\bar{G}\bar{H}\bar{Q}\bar{e}$

. $\bar{D}\bar{s}$   $\bar{C}\bar{s}$   $\bar{B}$   $\bar{g}\bar{a}\bar{h}\bar{Q}\bar{o}\bar{n}\bar{f}\bar{a}$   $\bar{s}\bar{l}\bar{i}$   $\bar{D}\bar{s}$   $\bar{A}$   $ch\bar{o}\bar{A}\bar{Q}\bar{o}\bar{n}\bar{f}\bar{a}$   $\bar{E}\bar{g}\bar{O}\bar{U}\bar{k}$   $ch\bar{o}\bar{z}$  •  
 $\bar{o}\bar{a}\bar{A}\bar{t}\bar{\Sigma}\bar{a}$   $\bar{K}\bar{O}$   $\bar{G}\bar{H}\bar{i}\bar{j}\bar{a}$   $\bar{G}\bar{O}\bar{U}\bar{a}\bar{n}$   $\bar{Z}$   $\bar{U}\bar{a}\bar{z}\bar{R}\bar{o}\bar{a}$   $\bar{Z}\bar{U}\bar{o}\bar{a}$   $\bar{a}\bar{A}\bar{e}\bar{s}$ "  $\bar{j}\bar{a}\bar{z}\bar{A}\bar{z}$   $\bar{K}\bar{O}$   $\bar{8}\bar{z}\bar{o}\bar{z}\bar{n}$   $\bar{z}\bar{L}$   $\bar{A}\bar{t}\bar{o}$   $\bar{O}\bar{H}\bar{u}\bar{A}\bar{o}\bar{a}$   $\bar{E}\bar{g}\bar{U}\bar{A}$  : $\bar{A}$   
 $\bar{K}\bar{O}$   $\bar{G}\bar{H}\bar{i}\bar{j}\bar{a}$   $\bar{Z}$   $\bar{i}$   $\bar{A}\bar{O}\bar{Q}\bar{n}\bar{f}\bar{a}$   $\bar{Z}\bar{e}\bar{u}$   $\bar{E}\bar{a}\bar{A}\bar{U}\bar{Q}\bar{a}$  .(43  $\bar{G}\bar{H}\bar{u}\bar{A}\bar{O}\bar{o}\bar{a}$   $\bar{U}\bar{1}$   $\bar{A}\bar{E}\bar{Y}\bar{O}\bar{a}$ ) "Spectrophotometry in the infrared region  
 $\bar{A}\bar{e}\bar{l}\bar{o}\bar{z}\bar{Y}\bar{O}\bar{s}\bar{o}\bar{A}\bar{E}\bar{T}$  *reference spectrum*  $\bar{U}\bar{H}\bar{D}\bar{Z}\bar{A}\bar{t}\bar{a}$   $\bar{Z}\bar{U}\bar{o}\bar{a}$   $\bar{Z}\bar{n}$   $\bar{s}\bar{l}\bar{i}$   $\bar{R}\bar{S}$   $\bar{k}\bar{n}\bar{h}\bar{s}\bar{A}\bar{o}\bar{a}$   $\bar{A}\bar{e}\bar{l}\bar{o}\bar{z}\bar{Y}\bar{O}\bar{s}\bar{o}\bar{A}\bar{E}\bar{T}$   $ch\bar{n}$   $\bar{j}\bar{k}\bar{A}\bar{A}\bar{o}\bar{a}$   $\bar{Z}\bar{U}\bar{o}\bar{a}$   $\bar{Z}\bar{n}$   $\bar{o}\bar{a}\bar{A}\bar{t}\bar{\Sigma}\bar{a}$   
 $\bar{k}\bar{n}\bar{h}\bar{s}\bar{A}\bar{o}\bar{a}$

$\bar{A}\bar{n}\bar{A}\bar{A}\bar{z}$   $\bar{U}\bar{v}\bar{s}$  ( $\bar{o}\bar{l}\bar{o}\bar{z}\bar{n}$  0.1)  $\bar{O}\bar{l}\bar{o}\bar{z}\bar{Y}\bar{O}\bar{s}\bar{o}\bar{A}\bar{E}\bar{T}\bar{a}$   $\bar{R}\bar{e}\bar{b}$   $\bar{Z}$   $\bar{O}\bar{n}\bar{I}\bar{I}\bar{n}$  0.020  $\bar{A}\bar{E}\bar{O}\bar{A}\bar{Q}\bar{a}$   $\bar{o}\bar{z}\bar{Y}\bar{+}$   $\bar{i}$   $\bar{A}\bar{O}\bar{Q}\bar{n}\bar{f}\bar{a}$   $\bar{Z}\bar{e}\bar{u}$   $\bar{B}\bar{A}\bar{G}\bar{A}$  : $\bar{B}$   
 $\bar{A}\bar{Q}\bar{n}\bar{z}\bar{Q}\bar{a}\bar{p}$  280  $\bar{G}\bar{a}\bar{A}\bar{e}$   $\bar{G}\bar{D}\bar{Z}\bar{z}\bar{t}\bar{a}$   $\bar{o}\bar{z}\bar{u}$   $\bar{Z}$   $\bar{H}\bar{e}\bar{t}\bar{T}\bar{z}\bar{u}$   $\bar{H}\bar{o}\bar{A}\bar{O}\bar{Q}\bar{n}\bar{a}$   $\bar{U}\bar{A}\bar{Q}\bar{n}\bar{z}\bar{Q}\bar{a}\bar{p}$  350 $\bar{s}$   $\bar{A}\bar{Q}\bar{n}\bar{z}\bar{Q}\bar{a}\bar{p}$  230  $\bar{k}\bar{a}$   $\bar{z}\bar{i}\bar{z}\bar{n}\bar{j}\bar{a}$   $\bar{o}\bar{z}\bar{u}$   $\bar{Z}$   $\bar{A}\bar{E}\bar{A}\bar{I}\bar{A}$   
280  $\bar{G}\bar{a}\bar{A}\bar{e}$   $\bar{G}\bar{D}\bar{Z}\bar{z}\bar{t}\bar{a}$   $\bar{o}\bar{z}\bar{U}\bar{a}$   $\bar{l}\bar{e}\bar{1}$   $\bar{G}\bar{a}\bar{A}\bar{z}\bar{a}$   $\bar{G}\bar{O}\bar{G}\bar{u}$   $\bar{o}\bar{Y}\bar{n}$   $ch\bar{n}$   $\bar{i}$   $\bar{A}\bar{t}\bar{Q}\bar{o}\bar{a}$   $\bar{I}\bar{I}\bar{V}\bar{G}\bar{A}$   $\bar{U}\bar{A}\bar{Q}\bar{n}\bar{z}\bar{Q}\bar{a}\bar{p}$  249  $\bar{G}\bar{D}\bar{Z}\bar{z}\bar{t}\bar{a}$   $\bar{o}\bar{z}\bar{u}$   $\bar{Z}$   $\bar{H}\bar{A}\bar{8}\bar{o}\bar{U}$   $\bar{H}\bar{o}\bar{A}\bar{O}\bar{Q}\bar{n}\bar{a}\bar{s}$   
0.54  $\bar{G}\bar{a}\bar{A}\bar{e}$   $\bar{A}\bar{Q}\bar{n}\bar{z}\bar{Q}\bar{a}\bar{p}$

$\bar{j}\bar{z}\bar{o}$   $\bar{j}\bar{Q}\bar{A}$   $\bar{U}\bar{T}\bar{S}\bar{2}$   $ch\bar{K}\bar{a}$   $\bar{U}\bar{o}\bar{Q}\bar{p}\bar{i}$   $\bar{z}\bar{A}\bar{E}\bar{n}\bar{u}$  -4  $\bar{g}\bar{a}\bar{A}\bar{n}$   $ch\bar{n}$   $\bar{O}\bar{n}$  10  $\bar{O}\bar{l}\bar{A}\bar{H}\bar{Q}\bar{o}\bar{a}$   $\bar{Z}\bar{n}$   $\bar{8}\bar{A}\bar{R}\bar{A}\bar{s}$   $\bar{o}\bar{A}\bar{n}$   $\bar{O}\bar{n}$  5  $\bar{Z}$   $\bar{h}$  0.05  $\bar{a}\bar{A}\bar{O}\bar{A}$  : $\bar{C}$   
 $\bar{A}\bar{p}\bar{u}$

**General**  $\bar{G}\bar{n}\bar{A}\bar{H}\bar{o}\bar{a}$   $\bar{8}\bar{a}\bar{A}\bar{H}\bar{Q}\bar{e}\bar{r}\bar{a}$   $\bar{g}\bar{a}\bar{h}\bar{Q}\bar{o}\bar{n}\bar{f}\bar{a}$ "  $\bar{j}\bar{a}\bar{z}\bar{A}\bar{z}$   $\bar{K}\bar{O}$   $\bar{8}\bar{z}\bar{o}\bar{z}\bar{n}\bar{t}\bar{a}$   $\bar{A}$   $\bar{O}\bar{z}\bar{A}\bar{Q}\bar{o}\bar{a}$   $\bar{O}\bar{n}\bar{I}\bar{I}\bar{n}$  20  $\bar{A}\bar{E}\bar{O}\bar{A}\bar{Q}\bar{a}$   $\bar{o}\bar{z}\bar{Y}\bar{+}\bar{a}$   $\bar{U}\bar{O}\bar{H}\bar{A}$  : $\bar{D}$   
.(121  $\bar{G}\bar{H}\bar{u}\bar{A}\bar{O}\bar{o}\bar{a}$   $\bar{U}\bar{1}$   $\bar{A}\bar{E}\bar{Y}\bar{O}\bar{a}$ )  $\bar{g}\bar{a}\bar{A}\bar{e}\bar{l}\bar{o}\bar{z}\bar{Y}\bar{O}\bar{Y}\bar{o}$   $\bar{A}\bar{h}\bar{t}\bar{h}$   $\bar{O}\bar{z}\bar{A}\bar{Q}\bar{o}\bar{a}$  "identification tests

$\bar{8}\bar{z}\bar{o}\bar{z}\bar{n}$   $\bar{z}\bar{L}$   $\bar{A}\bar{n}$   $\bar{A}\bar{E}\bar{E}\bar{W}$   $\bar{o}\bar{A}\bar{Q}\bar{o}\bar{n}\bar{f}\bar{a}$   $\bar{o}\bar{z}\bar{Y}\bar{T}$   $\bar{K}\bar{R}\bar{O}$   $\bar{O}\bar{D}\bar{z}\bar{j}$   $\bar{h}\bar{1}.0$   $\bar{y}\bar{A}\bar{A}\bar{Q}\bar{E}\bar{A}$  :**Heavy metals**  $\bar{G}\bar{Y}\bar{E}\bar{O}\bar{z}\bar{o}\bar{a}$  ( $\bar{g}\bar{a}\bar{A}\bar{Y}\bar{A}\bar{o}\bar{a}$ )  $\bar{j}\bar{a}\bar{A}\bar{H}\bar{t}\bar{a}$   
1  $\bar{o}\bar{a}\bar{A}\bar{D}\bar{z}\bar{Q}\bar{a}$   $\bar{A}\bar{E}\bar{E}\bar{W}$   $\bar{U}$ "Limit test for heavy metals  $\bar{G}\bar{Y}\bar{E}\bar{O}\bar{z}\bar{o}\bar{a}$  ( $\bar{g}\bar{a}\bar{A}\bar{Y}\bar{A}\bar{o}\bar{a}$ )  $\bar{j}\bar{a}\bar{A}\bar{H}\bar{t}\bar{a}$   $\bar{O}\bar{D}\bar{z}\bar{j}$   $\bar{B}\bar{A}\bar{\Sigma}\bar{a}$   $\bar{o}\bar{A}\bar{Q}\bar{o}\bar{n}\bar{f}\bar{a}$ "  $\bar{j}\bar{a}\bar{z}\bar{A}\bar{z}$   $\bar{K}\bar{O}$   
 $\bar{A}\bar{E}\bar{A}\bar{A}$   $\bar{f}$   $\bar{U}$ (128  $\bar{G}\bar{H}\bar{u}\bar{A}\bar{O}\bar{o}\bar{a}$   $\bar{U}\bar{1}$   $\bar{A}\bar{E}\bar{Y}\bar{O}\bar{a}$ )  $\bar{A}$   $\bar{G}\bar{O}\bar{l}\bar{A}\bar{U}\bar{o}\bar{a}$   $\bar{A}\bar{E}\bar{E}\bar{W}$   $\bar{G}\bar{Y}\bar{E}\bar{O}\bar{z}\bar{o}\bar{a}$  ( $\bar{g}\bar{a}\bar{A}\bar{Y}\bar{A}\bar{o}\bar{a}$ )  $\bar{j}\bar{a}\bar{A}\bar{H}\bar{t}\bar{a}$   $\bar{P}\bar{z}\bar{Q}\bar{T}$   $ch\bar{H}\bar{H}\bar{A}$   $\bar{U}$ (127  $\bar{G}\bar{H}\bar{u}\bar{A}\bar{O}\bar{o}\bar{a}$   $\bar{U}\bar{1}$   $\bar{A}\bar{E}\bar{Y}\bar{O}\bar{a}$ )  
 $\bar{h}\bar{h}/\bar{y}\bar{a}\bar{A}\bar{Q}\bar{s}\bar{A}\bar{O}\bar{n}$  20  $ch\bar{z}$



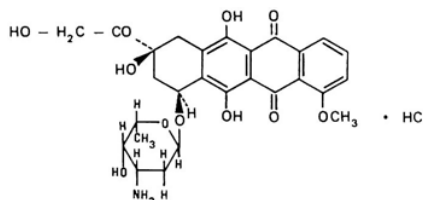


## Doxorubicin hydrochloride

$C_{27}H_{29}NO_{11}, HCl$  : **Molecular formula**

580.0 : **Relative molecular mass**

: **Graphic formula**



: **Chemical name**

(8S,10S)-10-[(3-Amino-2,3,6-trideoxy-α-L-xylo-hexopyranosyl)oxy]-8-glycoloyl-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-5,12-naphthacenedione hydrochloride; (8S-cis)-10-[(3-amino-2,3,6-trideoxy-α-L-xylo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-5,12-naphthacenedione hydrochloride; CAS Reg. No. 25316-40-9.

. **Description**

. **Solubility**

. **Category**

. **Storage**

. **Additional information**

### REQUIREMENTS

. **General requirement**

: **Identity test**

1. **Test 1**  
 2. **Test 2**  
 3. **Test 3**



$0.02 \pm 0.44$   $\text{C}_{22}\text{H}_{24}\text{N}_2\text{O}_8$   $\text{HCl}$   $\text{C}_2\text{H}_6\text{O}$   $\text{H}_2\text{O}$

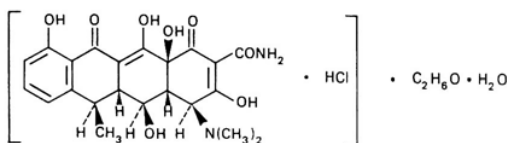
## DOXYCYCLINIHYCLAS

Doxycycline hyclate  $\text{D}_{\text{Z}}\text{H}_{\text{I}}\text{I}_{\text{Z}}$   $\text{I}_{\text{Z}}$   $\text{N}_{\text{I}}\text{Q}_{\text{I}}\text{E}$   $\text{I}_{\text{U}}\text{I}_{\text{I}}\text{I}$

$(\text{C}_{22}\text{H}_{24}\text{N}_2\text{O}_8, \text{HCl})_2, \text{C}_2\text{H}_6\text{O}, \text{H}_2\text{O}$  :Molecular formula  $\text{G}_{\text{E}}\text{A}_{\text{A}}\text{Z}_{\text{A}}$   $\text{G}_{\text{O}}\text{E}_{\text{O}}\text{O}_{\text{O}}$

1026 :Relative molecular mass  $\text{G}_{\text{E}}\text{G}_{\text{E}}\text{A}_{\text{O}}\text{O}_{\text{O}}$   $\text{G}_{\text{E}}\text{A}_{\text{A}}\text{Z}_{\text{A}}$   $\text{G}_{\text{Y}}\text{Q}_{\text{O}}\text{O}_{\text{O}}$

:Graphic formula  $\text{G}_{\text{E}}\text{Q}_{\text{A}}\text{E}_{\text{G}}\text{I}_{\text{A}}$   $\text{G}_{\text{O}}\text{E}_{\text{O}}\text{O}_{\text{O}}$



:Chemical name  $\text{U}_{\text{A}}\text{I}_{\text{E}}\text{I}_{\text{O}}\text{O}_{\text{O}}$   $\text{I}_{\text{E}}\text{E}_{\text{I}}$

(4S,4aR,5S,5aR,6R,12aS)-4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacene-carboxamide monohydrochloride, compound with ethyl alcohol (2:1), monohydrate; [4S-(4a,4aa,5a,5aa,6a,12aa)]-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacene-carboxamide monohydrochloride, compound with ethanol (2:1), monohydrate; CAS Reg. No. 24390-14-5.

$\text{A}_{\text{A}}\text{O}_{\text{I}}$   $\text{I}_{\text{Z}}\text{I}_{\text{Z}}$   $\text{B}_{\text{O}}\text{Z}_{\text{I}}$   $\text{A}_{\text{Z}}\text{H}_{\text{E}}\text{I}_{\text{I}}$  :Description  $\text{Z}_{\text{O}}\text{Z}_{\text{O}}$

$\text{Z}_{\text{I}}$   $\text{F}_{\text{S}}$   $\text{R}_{\text{I}}$   $\text{Y}_{\text{O}}\text{Z}_{\text{Z}}\text{O}_{\text{Z}}$   $\text{I}_{\text{O}}\text{O}_{\text{O}}$   $\text{Z}_{\text{I}}$   $\text{N}_{\text{E}}\text{I}_{\text{Z}}$   $\text{A}_{\text{I}}$   $\text{S}_{\text{A}}$   $\text{K}_{\text{d}}$   $\text{U}_{\text{R}}$   $\text{O}_{\text{Z}}\text{Q}_{\text{I}}\text{I}_{\text{I}}$   $\text{O}_{\text{A}}\text{A}_{\text{D}}\text{Z}_{\text{I}}$   $4\text{S}$   $\text{O}_{\text{I}}\text{I}_{\text{I}}$   $\text{O}_{\text{A}}\text{A}_{\text{D}}\text{Z}_{\text{I}}$   $3$   $\text{Z}_{\text{I}}$   $\text{A}_{\text{I}}$   $\text{S}_{\text{A}}$  :Solubility  $\text{G}_{\text{E}}\text{Q}_{\text{A}}\text{E}_{\text{G}}\text{I}_{\text{A}}$

$\text{R}_{\text{I}}$   $\text{K}_{\text{O}}\text{I}_{\text{I}}$

$\text{I}_{\text{E}}\text{Q}_{\text{A}}\text{Z}_{\text{A}}$   $\text{A}_{\text{I}}$   $\text{R}_{\text{I}}$   $\text{O}_{\text{A}}\text{S}_{\text{A}}$  :Category  $\text{G}_{\text{A}}\text{A}_{\text{O}}\text{O}_{\text{O}}$

$\text{O}_{\text{Z}}\text{R}_{\text{O}}\text{O}_{\text{O}}$   $\text{O}_{\text{I}}$   $\text{G}_{\text{E}}\text{I}_{\text{I}}$   $\text{U}_{\text{Y}}\text{A}_{\text{O}}\text{G}_{\text{I}}$   $\text{G}_{\text{O}}\text{Y}_{\text{O}}\text{I}_{\text{I}}$   $\text{G}_{\text{I}}\text{S}_{\text{I}}\text{G}_{\text{I}}$   $\text{Z}_{\text{I}}$   $\text{K}_{\text{Y}}\text{O}_{\text{I}}$   $\text{E}_{\text{I}}$   $\text{U}_{\text{E}}\text{O}_{\text{S}}\text{A}_{\text{O}}\text{O}_{\text{O}}$   $\text{G}_{\text{Y}}\text{O}_{\text{I}}$   $\text{S}_{\text{A}}\text{G}_{\text{I}}$   $\text{A}_{\text{Z}}$  :Storage  $\text{O}_{\text{A}}\text{A}_{\text{O}}\text{O}_{\text{O}}$

$\text{U}_{\text{O}}\text{Z}_{\text{R}}\text{O}_{\text{O}}$   $\text{A}_{\text{I}}$   $\text{A}_{\text{E}}\text{I}_{\text{I}}$   $\text{Z}_{\text{I}}$   $\text{Z}_{\text{O}}\text{Q}_{\text{I}}\text{G}_{\text{I}}$   $\text{U}_{\text{K}}\text{Y}_{\text{O}}\text{I}_{\text{I}}$   $\text{E}_{\text{I}}$   $\text{U}_{\text{E}}\text{O}_{\text{S}}\text{A}_{\text{O}}\text{O}_{\text{O}}$   $\text{G}_{\text{Y}}\text{O}_{\text{I}}$   $\text{O}_{\text{O}}\text{A}_{\text{E}}\text{Q}_{\text{I}}$  :Additional information  $\text{G}_{\text{E}}\text{Z}_{\text{A}}\text{I}_{\text{I}}$   $\text{G}_{\text{I}}$   $\text{A}_{\text{I}}\text{Z}_{\text{I}}\text{Y}_{\text{I}}\text{I}_{\text{I}}$

$\text{Z}_{\text{I}}\text{I}_{\text{I}}$   $\text{G}_{\text{O}}\text{A}_{\text{I}}\text{S}_{\text{I}}$   $\text{G}_{\text{I}}$   $\text{A}_{\text{D}}\text{Z}_{\text{O}}\text{A}_{\text{I}}$   $\text{A}_{\text{E}}\text{I}_{\text{I}}$   $\text{I}_{\text{Z}}$   $\text{O}_{\text{I}}$   $\text{O}_{\text{O}}\text{A}_{\text{Q}}\text{O}_{\text{O}}$   $\text{B}_{\text{Z}}\text{Z}_{\text{A}}$   $\text{P}_{\text{I}}\text{I}_{\text{I}}$   $\text{G}_{\text{A}}\text{Z}_{\text{U}}\text{A}_{\text{O}}$   $\text{O}_{\text{I}}$   $\text{A}_{\text{I}}\text{H}_{\text{O}}\text{O}_{\text{O}}$   $\text{A}_{\text{E}}\text{I}_{\text{I}}$   $\text{N}_{\text{E}}\text{Z}_{\text{O}}\text{A}_{\text{E}}\text{I}_{\text{I}}$

## REQUIREMENTS $\text{K}_{\text{G}}\text{U}_{\text{I}}\text{O}_{\text{I}}\text{K}_{\text{I}}\text{I}_{\text{I}}$

$\text{O}_{\text{I}}$   $\text{G}_{\text{E}}\text{I}_{\text{I}}\text{S}_{\text{A}}$   $\text{G}_{\text{A}}\text{G}_{\text{I}}\text{S}_{\text{I}}$   $880$   $\text{O}_{\text{O}}\text{I}_{\text{I}}$   $\text{I}_{\text{I}}$   $\text{Z}_{\text{I}}\text{I}_{\text{I}}$   $\text{K}_{\text{Y}}\text{O}_{\text{I}}$   $\text{E}_{\text{I}}$   $\text{U}_{\text{E}}\text{O}_{\text{S}}\text{A}_{\text{O}}\text{O}_{\text{O}}$   $\text{G}_{\text{Y}}\text{O}_{\text{I}}$   $\text{B}_{\text{Z}}\text{Q}_{\text{I}}$  :General requirement  $\text{Y}_{\text{A}}\text{H}_{\text{O}}\text{O}_{\text{O}}$   $\text{A}_{\text{E}}\text{Y}_{\text{O}}\text{Q}_{\text{I}}\text{I}_{\text{I}}$

$\text{O}_{\text{Z}}\text{Q}_{\text{A}}\text{I}_{\text{I}}\text{Q}_{\text{I}}$   $\text{O}_{\text{I}}$   $\text{G}_{\text{E}}\text{I}_{\text{I}}\text{I}_{\text{I}}$   $\text{G}_{\text{E}}\text{A}_{\text{I}}\text{I}_{\text{I}}\text{Y}_{\text{O}}\text{O}_{\text{O}}$   $\text{G}_{\text{A}}\text{I}_{\text{I}}$   $\text{B}_{\text{I}}$   $\text{I}_{\text{Z}}\text{Z}_{\text{A}}\text{O}_{\text{O}}\text{A}_{\text{I}}$   $\text{G}_{\text{A}}\text{Z}_{\text{E}}\text{I}_{\text{I}}$   $\text{U}_{\text{I}}\text{I}_{\text{I}}$   $1$   $\text{O}_{\text{O}}$   $\text{Z}_{\text{I}}$   $\text{K}_{\text{Y}}\text{O}_{\text{I}}$   $\text{E}_{\text{I}}$   $\text{U}_{\text{E}}\text{O}_{\text{S}}\text{A}_{\text{O}}\text{O}_{\text{O}}$















Ōō .(142 ĞHĀŌō Ū1 ĀŶŌā) A ĞŌĀŪŌō ĀĒŬ Ū"Non-aqueous titration ĤāĤŶŌō ŪēzŌō Ž ġĀĀĤā" j izĭ ĶŌ  
 .C<sub>29</sub>H<sub>40</sub>N<sub>2</sub>O<sub>4</sub>, 2HCl đŋ 27.68 ūzĀŌĀ vs (ŏ/0.1) ŌŌzŶŌĶĠŌō R̄ ū Ōŋ 1

## EPHEDRINUM

**Ephedrine** DžŶŋŶŶŶ

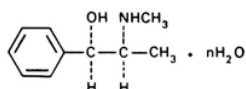
**Ephedrine, anhydrous** ŶŋŶŶŶ ŪDžŶŶŶŶ

**Ephedrine, hemihydrate** l ūŶŶŶŶ Ŷ TŶ DžŶŶŶŶ

C<sub>10</sub>H<sub>15</sub>NO(anhydrous); C<sub>10</sub>H<sub>15</sub>NO, ½ H<sub>2</sub>O (hemihydrate) :**Molecular formula** ĞĒĀĀzā ĞŌŌō

174.2 (hemihydrate) Ū165.2 (anhydrous) :**Relative molecular mass** ĞĠĒĀōō ĞĒĀĀzā ĞŶŶŶōō

:**Graphic formula** ĞĤĀĠĠā ĞŌŌō



n = 0 (anhydrous)  
 n = 1/2 (hemihydrate)

:**Chemical name** ĤāĤŶŶŶŶ ŶŶŶ

(-)-Ephedrine; [*R*-(*R*\*,*S*\*)]-α-[1-(methylamino)ethyl]benzene-methanol; CAS Reg. No. 299-42-3 (anhydrous).

(-)-Ephedrine hemihydrate; [*R*-(*R*\*,*S*\*)]-α-[1-(methylamino)ethyl]benzene-methanol hemihydrate; CAS Reg. No. 50906-05-3 (hemihydrate).

ĠĀĒĀŋ ĞHāŌŌ đ ŶŶ ĞHāĀŌō ĠĒ3 ŪR̄ŶŶ jzŶ BŏzŶā āzĤŬĒŋ ŶŶ jzŶŶ ĠĒ3 ġŶŏzŶā :**Description** ZŏzŶā  
 .ĠĀŪ3

Ž j ĀŶŶŶ Āġ ŪŶS (ŏ/h750~) ŏzŶŶŶŶ Ž ŶĒDZ āāŶā ŪR ŶŏzŶŶŶŶŶŶŶŶŶŶ ŶĀŶ Ž āāŶā :**Solubility** ĞĤĀĤŶŶŶŶ  
 .ĶŶŶā

.zĀŶŶ āĀRŋ ŶŶŶā :**Category** ĠĀŌō

.ŏzŶŶ đŋ ĠŶŶ ŪŶĒDZ ĠŶŶŶ ĠŶŶŶ Ž đĀŶĒĒĀŶŶ ŶĀġ Ēz :**Storage** đĀĀŶŶŶ

ZŌŶ ŌŌŶā ŬĒ ġĀŶā ĶŶŶ ŶŶŶ ŶŶŶ ŶŶŶ ĠŶŶŶŶ ŶŶŶŶ ĠŶŶŶŶ ŶŶŶ jŶ Ēz :**Labelling** ŶŶŶŶŶ  
 .ĤāĤŶŶ ŌŌŶā ŶŶ ŬāĤŶ







A GÖMÄÜÖä Ü"Non-aqueous titration ÆÄñYÖä ÜèzÖä Ž gÄÄHtj" jžÄž KÖ 8zðzñ zL Ätð vs(ò/òzñ 0.1) ðñ Ñññ 20.17 ùzÄÖÄ vs(ò/òzñ 0.1) ÖðzYðKÖä Rð ðñ Öñ 1 Öð.(142 ĞHÄÖÖä Ü1 ÄYÖä) .C<sub>10</sub>H<sub>15</sub>NO,HCl

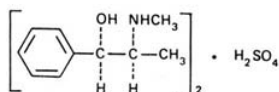
## EPHEDRINI SULFAS

Ephedrine sulfate DžřqıŹıÜŒ l f2#z

(C<sub>10</sub>H<sub>15</sub>NO)<sub>2</sub>.H<sub>2</sub>SO<sub>4</sub> :Molecular formula ĞÄÄÄzä Ğ8EÖä

428.5 :Relative molecular mass ĞEGÄÖä ĞÄÄÄzä ĞYQÖä

:Graphic formula ĞEQÄGtj Ğ8EÖä



:Chemical name ÆÄtŁÖä lèřä

(-)-Ephedrine sulfate (2:1) (salt); [R-(R\*,S\*)]-α-[1-(methyl-amino)ethyl]benzenemethanol sulfate (2:1) (salt); CAS Reg. No. 134-72-5.

.ĞHäÄÖä CÄž ÜRÈÄÜ jzŹä BðzŹä äzHÈñ şÜ jzYöä ĞÄž ğäðzŹä :Description ZðzÖä

.TS (ò/h750~) òzŹÄjÄqä Ž jÄšÖä ÖYē ÜöÄtj Ž jÄšÖä Äğ :Solubility ĞEQÄšÖä

.zÄYö äÄRñ öäšä :Category ĞÄÄÖä

.ðzRÖä ðñ ĞŁt ÜÄÉEDZ ĞÖY8ñ ĞÄšäg Ž ðÄÉÄÄÄqä ğÄÄYè šÄğ Äz :Storage ðÄÄÖä

öðÄQk .ðzRŸö ö ÄHÖä ÄÄž ÑÄÖää ðÄÉÄÄÄqä ğÄÄYè jzÖ ĞÖÄ :Additional information ĞEzÄŸÜ ğÄñzYHñ

ÄÄž tÄèÜ ÖÖÄQÖä jzÖls ÜBzää pÄÄtj ĞÄzÜÄö ö ÄHÖä ÄÄž ÑEZöÄk ÜðzRÖä ä ÄÄq Ž zðQğ ÜðÄÉÄÄÄqä ğÄÄYè .zŹžjä ğÖÄÄΣä ğÄDZöä

## REQUIREMENTS KChTÖKÖzf

ðž ÄÄÄ řš %98.0 ðž ÖÖÄ ř Äñ zŸž ðÄÉÄÄÄqä ğÄÄYè BzQÖ :General requirement ŸÄHöä ÄYÜQj

.ĞÄÄÖä ğÄtj BÜ tžDZÄÄÄ ĞÄzÈt Ü(C<sub>10</sub>H<sub>15</sub>NO)<sub>2</sub>.H<sub>2</sub>SO<sub>4</sub> ðñ %101.0







R  $\gamma$ ózzózz'Óðā TS (ó/ħ 750~) ózqā'qā Ž J āsÓðā Āg ŪóĀtā Ž Ĥēŷt3 J āsÓðā CĀ3 :**Solubility** ĜqāēssÓðā  
 .R Kōjās R JzŲējās  
 .antirachitic Āñāā āĀRñ ŪkñĀŲēz :**Category** ĜĀĀā  
 pĀñ Ž ŌRĀtā dñ ŪōāzŲŲ ŲŲō zŲ zŲ3 ĜŲ8ñ Ĝāšāg Ž ósKĀĒĒōĀōzqā Šāg Āz :**Storage** dĀĀQā  
 .°ŷ 8s 2 kē gōāĀg ĜDZōĀē ĜpĀUš ózRā dñ ĜēŷŲ ŪkDzšĀQā Ōñ Ūinert Ōññ BzDZ  
 Ž zŲŲg ŪōōĀēqā .ĜāzūĀāēš ōāzŲāē ósKĀĒĒōĀōzqā ĀŲQĀ :**Additional information** ĜēzĀŲ ū ġĀñzŲñ  
 .zŲjā gōāĀsā ġĀDZōā ēāz ŲĀēŲ ŌŌĀQā JzŲs ŪBzā pĀtā ĜāzūĀō ō ĀĤQā ēāz ĤzōĀē ŪōzRā ā ēd

# REQUIREMENTS KĜŲŲŲēŲ

## :**Identity tests** ĤŲŲŲŲē 1 ēŲŲŲē

ĶŲ ĜĤjā ĜŲĀñ Ž ŲāzRā ZŲŲā āēē" jēz3 ĶŲ 8zōzñ zē Ātō ŌĤĀā ?Āz :A  
 ĜĤjā Ž 1 ĀŲŲē ZŲŲ ēāĀŲQĀ .(43 ĜĤĀŲŲ Ū1 ēŲŲā) "Spectrophotometry in the infrared regionōāŲsā  
*reference spectrum* ŲĤDZĀtā ZŲŲā 3ñ šŲ RS ósKĀĒĒōĀōzqā dñ jĀāā ZŲŲā 3ñ ōāĀŲsā ĶŲ  
 .ósKĀĒĒōĀōzqā

ŌŲzĀŲĒā RēŲ dñ Ųñ 5 ōŲŲ Ųñ 1.0 BŲ 8ĀRĀ .TS (ó/ħ 750~) ózqā'zŲ Ųñ 10 Ž ŲŲñ 2 Ĝāē āāŲ :B  
 .(ĀāŲŲ ŲŲŲŲ ŲŲĤĀ BŲā Ūcolecalciferol ósKĀĒĒōĀōzŲā d3 ĤĀēŲ) ĀŲŲ JzŲ jŲĀ ŪžĀēssTS (ó/ħ 750~)  
 Ĝāēš R ŲŲējā (Ųñ Ųē) ēĀŲēŲ dñ Ųñ 0.5 Ĝāē 8ĀRĀ R Ųózzózz'Ųā dñ Ųñ 5 Ž ŲŲñ 5 āāŲ :C  
 ŲDzĒĀĜā BŲ ĀŲjā dñ gĀŲĀñ ózŲā JzŲ ōēŲQĀ ŪēēDZ ŲRē .TS (ó/ħ 1760~) ŌŲzĀŲĒā RēŲ dñ Ųñ 0.1  
 .dŲāēā ĀRñjā BŲ ĤKñš āŲjā BŲ Ž

ózŲŲ dñ Ųñ 4 ózŲā āŲŲ dñ Ųñ1 BŲ 8ĀRĀ .R JĀŲŲŲŲŲŲŲā dñ Ųñ 40 Ž ŲŲñ 1 Ĝāē āāŲ :D  
 .ĤēŲĀē jĀŲŲŲā ĜŲŲ BŲā ŪBĀŲĀ JzŲ jŲĀ Ūantimony trichloride TS

.ēēē ZĀŲ šŲ ēŲē Jšā ĜĀññ Ū°Ų117–112 :**Melting range** ōĀŲŲā ōĀf

dñ ĜēzĀŲ ĜēŲ Ž kĀēē Jšās ĜžĀē Ĥ 0.2 āāŲ :**Specific optical rotation** ŲzŲāō BĀŲā ĀšēŲā  
 dñ ĜŲēā 30 ōŲñ BĀŲā ĀšēŲā dññ .Ųñ 25 ōēŲ ŲDz ōĀŲzq TS(ó/ħ 750~) ēēēējā dñ BĀŲā ózqā'qā  
 .[α]<sub>D</sub><sup>20°C</sup> = + 103 to +107° ŪKŲŲŲā

d3 ēĀĀ ēs %95.0 d3 ŲŲ ēñ zŲ3 ósKĀĒĒōĀōzqā BzŲ3 :**General requirement** ŲĀŲā ēēŲŲā  
 .C<sub>28</sub>H<sub>44</sub>O dñ %105.0









0zqAžlqā Ž āāšā ŪR yōzysōz'Ōōš Ž jāsōōā Āg ūōātā Ž āēDZ jāsōōā ĠEHŭ :Solubility ĠEHāsōōā  
 .macrogol 400R 0zqšāōātā TS (0/h750~)  
 gāātā j ū B ū θAŌΣā ōātHŌēfā ŌDZj kĒēnsāžlōqā ġĀēĒŌē ŌēžlŌ ĠēĒēōā KĪķ :Labelling lēžŌōā  
 .θAŌΣā ōātŪ3Rō ŌtHŌēfā j ū dŌzē kĒēnsāžlōqā ġĀēĒŌē ŌēžlRō ĠēzĀrēqā ġĀēŪŌēfā ēēDzŌēķ  
 .lēāāzā āĀRŋ ōāšā :Category ĠĀĀōā  
 .ōzRōō dŋ ĠēĒŪ ŪyĀŌgūā ĠŌy8ŋ Ġāšāg Ž kĒēnsāžlōqā ġĀēĒŌē Ōēžlqā šāg ēz :Storage dĀĀōōā

# REQUIREMENTS KāūŌkēf

gēgē 740 d3 ŌŌĀ f Āŋ z'3 kĒēnsāžlōqā ġĀēĒŌē Ōēžlqā BzŌ3 :General requirement yĀHōā ēēŪŌēfā  
 .ĠēĀĀYōō gāātā B ū tēDZĀōā ĠēzĒŪ Ūŋŋ 1 Ōō Ž kĒēnsāžlōqā dŋ Ġēōšā

:Identity tests hŭŊŊŪē l ēfēĠēfē

.Dē Cē B ġāŌŌnēfā š ū ēāĀĀ A ŌŌnēfā ēēŪŌē dŌz •

ōāĀΣā KŌ ĠHŭjā ĠŌŪĀŋ Ž θzRōō ZēŪōā āĀē" jēz'3 KŌ 8zōzŋ zē Ātō ŌHōōā ?Āz :A  
 KŌ ĠHŭjā Ž ī ĀŌŋfā Zē ū ēāŌŪĀ .(43 ĠHĀŌōā Ū1 ēēŌā) "Spectrophotometry in the infrared region  
 ŌēžlRō reference spectrumēēDZĀtā ZēŪōā 3ŋ š ū RS kĒēnsāžlōqā ġĀēĒŌē ŌēžlŌ dŋ jĀĀōā ZēŪōā 3ŋ ōāĀΣā  
 .kĒēnsāžlōqā ġĀēĒŌē

θēĀē jzō jŌĀ ŪZŪŷē ēēēē TS (0/h1760~) ŌŌzĀēēōō ēē dŋ Ōŋ2 ōāēŌŋ ŋŋ 5 B ū 8ĀRĀ :B  
 .Āējā B ū āōĀr

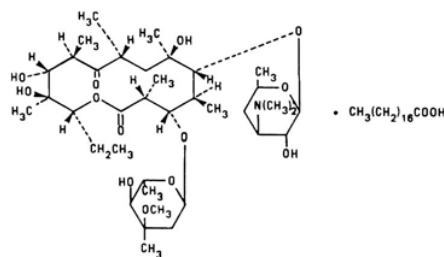
jzō jŌĀ ŪTS (0/h420~) ŌŌzŷōšēēēē ēē dŋ Ōŋ2 8ĀRĀs R jzēē Ōŋ2 Ž ŋŋ 3 āāŌ :C  
 Ūēēēē R yōzysōz'Ōōō dŋ Ōŋ2 8ĀRĀ .ēēDZōē ēējā B ū ēēŋē ēēŌēēē - ēējā B ū ōēēē ēēōā Ūēēēēē  
 .āōā ū jzēē yōzysōz'Ōōō ēēēē ēēŌē

.Āē ū jzō jŌĀ ŪēĀŋ yĀē Ž dĀēēē Xanthidrol TS ōzŷŪ dŋ Ōŋ5 ōāēŌŋ ŋŋ 5 B ū 8ĀRĀ :D

.h/ŋŋ 10 d3 ēēĀ f :Sulfated ash KĀēēēē āĀŌōā

Determination of water by ĀĪēz ōōāō ēēĀŪē ōātā kēēk" jēz'3 KŌ 8zōzŋ zē Ātō dēēĀ :Water ōātā  
 ōātā ēēŪ ēēĀ f ūgāātā dŋ hō.5 yēēēēēē Ū(145 ĠHĀŌōā Ū1 ēēŌā) A ēēĀŪōā Ū"the Karl Fischer method  
 .h/ŋŋ 30 d3





**:Chemical name**  $\text{U}\alpha\text{A}\text{E}\text{t}\text{O}\alpha\alpha$   $\text{J}\text{e}\text{r}\alpha$

Erythromycin stearate (salt); erythromycin octadecanoate (salt); [3*R*-(3*R*\*,4*S*\*,5*S*\*,6*R*\*,7*R*\*,9*R*\*,11*R*\*,12*R*\*,13*S*\*,14*R*\*)]-4-[(2,6-dideoxy-3-*C*-methyl-3-*O*-methyl- $\alpha$ -*L*-ribo-hexopyranosyl)oxy]-14-ethyl-7,12,13-trihydroxy-3,5,7,9,11,13-hexamethyl-6-[[[3,4,6-trideoxy-3-(dimethylamino)- $\beta$ -*D*-xylo-hexopyranosyl]oxy]oxacyclotetradecane-2,10-dione octadecanoate (salt); CAS Reg. No. 643-22-1.

$\text{A}\alpha\text{O}\alpha$   $\text{J}\text{z}\text{V}\alpha$   $\text{J}\text{z}\text{V}\alpha\alpha$   $\text{R}\text{e}\alpha\alpha$   $\alpha\text{z}\text{H}\text{U}\text{E}\eta$   $\text{J}\text{z}\text{V}\alpha$   $\text{J}\text{z}\text{V}\alpha\alpha$   $\text{G}\text{z}\text{E}\text{z}$   $\text{g}\alpha\alpha\text{z}\text{V}\alpha$  **:Description**  $\text{Z}\alpha\alpha\text{z}\alpha$   
 $\text{M}\alpha\text{A}\alpha\text{O}\alpha$   $\text{G}\text{H}\alpha\alpha\text{A}\alpha\alpha$   $\text{C}\text{E}\text{z}$   $\text{J}\alpha$   $\text{G}\text{H}\alpha\alpha\text{A}\alpha\alpha$   $\text{C}\text{E}\text{z}$   $\text{U}\alpha\text{E}\text{g}\alpha\alpha$

$\text{R}\text{y}\alpha\text{z}\text{z}\alpha\alpha\text{z}\alpha\alpha$   $\text{Z}\alpha$   $\alpha\alpha\alpha\alpha$   $\text{U}\text{TS}$  ( $\alpha/\text{h}750\sim$ )  $\alpha\text{z}\alpha\alpha\alpha\alpha$   $\text{Z}\alpha$   $\alpha\alpha\alpha\alpha$   $\text{U}\alpha\alpha\alpha$   $\text{Z}\alpha$   $\text{M}\text{E}\text{Y}\alpha\text{z}$   $\alpha\alpha\alpha\alpha$   $\text{Kd}$  **:Solubility**  $\text{G}\text{E}\alpha\alpha\alpha\alpha\alpha$   
 $\alpha\alpha\alpha\alpha\alpha\alpha$   $\text{G}\alpha\text{E}\alpha\alpha$   $\text{O}\alpha\alpha\alpha$   $\alpha\alpha$   $\text{J}\text{z}\text{O}\alpha$   $\text{E}\alpha$   $\text{U}\alpha$   $\text{K}\alpha\alpha\alpha$   $\text{R}\alpha$   $\alpha\text{z}\alpha\alpha\alpha\alpha$

$\text{J}\alpha\alpha\alpha\alpha$   $\alpha\alpha$   $\alpha\alpha\text{R}\eta$   $\alpha\alpha\alpha\alpha$  **:Category**  $\text{G}\alpha\alpha\alpha\alpha$

$\alpha\text{z}\text{R}\alpha\alpha$   $\alpha\eta$   $\text{G}\alpha\text{E}\alpha$   $\text{U}\alpha\alpha\alpha\alpha$   $\text{G}\alpha\alpha\alpha\eta$   $\text{G}\alpha\alpha\alpha\alpha$   $\text{Z}\alpha$   $\text{kE}\eta\alpha\alpha\alpha\alpha$   $\text{g}\alpha\alpha\alpha\alpha$   $\text{S}\alpha\alpha$   $\text{E}\text{z}$  **:Storage**  $\alpha\alpha\alpha\alpha$

#### REQUIREMENTS $\text{K}\alpha\alpha\alpha\alpha\alpha\alpha$

$\alpha\eta$   $\text{G}\alpha\alpha\alpha\alpha$   $\text{g}\alpha\alpha\alpha$  550  $\alpha\text{z}$   $\text{O}\alpha\alpha$   $\alpha$   $\alpha\eta$   $\alpha\text{z}$   $\text{kE}\eta\alpha\alpha\alpha$   $\text{g}\alpha\alpha\alpha\alpha$   $\text{B}\text{z}\alpha\alpha$  **:General requirement**  $\text{Y}\alpha\alpha\alpha$   $\text{E}\alpha\text{Y}\alpha\alpha\alpha$   
 $\text{B}\alpha$   $\text{t}\text{z}\text{D}\text{Z}\alpha\alpha\alpha$   $\alpha\text{E}\text{E}\alpha\alpha$   $\text{G}\alpha\text{z}\text{E}\alpha$   $\text{C}_{37}\text{H}_{67}\text{NO}_{13}$ ,  $\text{C}_{18}\text{H}_{36}\text{O}_2$   $\alpha\eta$  %77.0  $\alpha\text{z}$   $\text{O}\alpha\alpha$   $\alpha$   $\alpha\eta$   $\alpha$   $\text{O}\alpha$   $\text{Z}\alpha$   $\text{kE}\eta\alpha\alpha\alpha$   
 $\text{G}\alpha\alpha\alpha\eta$   $\text{Y}\alpha\alpha$   $\text{g}\alpha\alpha\alpha$

**:Identity tests**  $\text{h}\alpha\text{Y}\eta\text{N}\eta\text{E}$   $\text{I}\alpha\text{E}\alpha\alpha\alpha$

$\text{D}\alpha$   $\text{C}\alpha$   $\text{B}\alpha$   $\text{g}\alpha\alpha\alpha\alpha\alpha$   $\text{J}\alpha$   $\text{C}\alpha\alpha\alpha$   $\alpha$   $\alpha\alpha\alpha\alpha\alpha$   $\text{E}\alpha\alpha\alpha$   $\alpha\text{O}\alpha$  •

$\alpha\alpha\alpha\alpha$   $\text{K}\alpha$   $\text{G}\alpha\alpha\alpha$   $\text{G}\alpha\alpha\alpha$   $\text{Z}\alpha$   $\text{U}\alpha\text{z}\text{R}\alpha\alpha$   $\text{Z}\alpha\alpha\alpha$   $\alpha\alpha\alpha$   $\text{J}\alpha\alpha\alpha$   $\text{K}\alpha$   $\alpha\text{z}\alpha\alpha$   $\text{zE}$   $\alpha\alpha$   $\text{O}\alpha\alpha\alpha$   $\text{E}\alpha\alpha$   $\text{A}$   
 $\text{K}\alpha$   $\text{G}\alpha\alpha\alpha$   $\text{Z}\alpha$   $\alpha$   $\alpha\alpha\alpha\alpha$   $\text{Z}\alpha$   $\text{E}\alpha$   $\text{E}\alpha\alpha\alpha$   $\text{U}\alpha$   $\text{E}\alpha\alpha\alpha$  "Spectrophotometry in the infrared region  
 $\text{g}\alpha\alpha\alpha\alpha$   $\text{reference spectrum}$   $\text{U}\alpha\alpha\alpha$   $\text{Z}\alpha\alpha\alpha$   $\text{Z}\alpha$   $\text{RS}$   $\text{kE}\eta\alpha\alpha\alpha$   $\text{g}\alpha\alpha\alpha\alpha$   $\alpha\eta$   $\text{J}\alpha\alpha\alpha$   $\text{Z}\alpha\alpha\alpha$   $\text{Z}\alpha$   $\alpha\alpha\alpha\alpha$   
 $\text{kE}\eta\alpha\alpha\alpha$

$\text{J}\text{z}\alpha$   $\text{J}\text{z}\alpha\alpha$   $\text{U}\text{TS}$  ( $\alpha/\text{h}420\sim$ )  $\text{O}\alpha\alpha\alpha\alpha\alpha\alpha$   $\text{R}\alpha$   $\alpha$   $\alpha\eta$   $\alpha$   $\alpha\alpha\alpha\alpha$   $\text{R}\alpha$   $\text{J}\text{z}\alpha\alpha$   $\alpha\eta$   $\alpha$   $\text{Z}\alpha$   $\alpha\eta$   $\alpha$   $\alpha\alpha\alpha$   $\text{B}$









.distillate ḡáUŌōā zYz ĞEYtHōā áÁĤk ŪŪŌz Ōŋ s  
ÜÄÁqYō ŌÄqks óÁqñrā ŌāÈ dn Ōŋ 10 øz ĞEYtHōā áós dn lÊe Ōīd :Foreign odour ḠAδōā ĞHuāÄōā  
.ÄÁQōā ÁĤz dÁqū KqQō gÁttj ĞHuāÄōā Kd ĞHuāó lÎkr

Ø Ø Ø Ø Ø

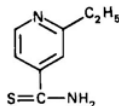
## ETHIONAMIDIUM

**Ethionamid**  $\sigma\text{İD}^{\text{v}}\text{Z}^{\text{v}}\text{F}^{\text{v}}\text{d}^{\text{v}}\text{Nj}^{\text{v}}\text{k}^{\text{v}}\text{d}$

**C<sub>8</sub>H<sub>10</sub>N<sub>2</sub>S** :Molecular formula

166.2 **Relative molecular mass**

**:Graphic formula**  $\check{\text{G}}\check{\text{E}}\check{\text{A}}\check{\text{E}}\check{\text{G}}\check{\text{t}}\check{\text{a}}\check{\text{G}}\check{\text{E}}\check{\text{O}}\check{\text{ö}}\check{\text{ä}}$



**Chemical name**  $\text{U}_{\text{A}}\text{E}_{\text{t}}\text{E}\text{O}_{\text{O}}\text{a}$   $\text{l}\ddot{\text{e}}\text{r}\ddot{\text{a}}$

2-Ethylthioisonicotinamide; 2-ethyl-4-pyridinecarbothioamide; CAS Reg. No. 536-33-4.

.ĠĀRĀN ĠHUAŌ ŪĀŌŌ ĲĲĲ BŌZĲ āZHUĒŪ ĀĀŌŌ ĲĲĲ gK8Ō ġĀŌZĲ :Description Z ŌZŌĀ

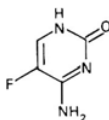












**:Chemical name** 5-Fluorocytosine; 4-amino-5-2(1-*H*)-pyrimidinone; CAS. Reg.No. 2022-85-7

**:Description** Z òzòā Ž ñÿt3 ā āsā Kd ŮTs (ò/h750~) òzqāžlqā Ž j āsòōā ĠHuī Ůōātā Ž j āsòōā Ōÿē **:Solubility** ĠHuīāšōōā .R Kōjā Ž fš R yōzžsōžVŌōā

**:Category** ĠĀĀōā .Antifungal ġĀĀŮĀYō āĀĤŋ ōāšā

**:Storage** dĀĀĀōōā .ōžRōō dŋ ĠĤT ŮyĀŌōġū ĠŌY8ŋ ĠĀšġ Ž dĀzŋēēzVĀōā ŠĀġ Ēz

**:Additional information** ĠēzĀŮ ů ġĀŋzYĤŋ .°y 295 ĠāĀē ĠDZŌĀĀē dĀzŋēēzVĀōā ĀTŌĀ

#### REQUIREMENTS KChG

**:General requirement** yĀĤōā ĒYŮŋy %101.0 d3 ĀĀĀ fš %98.5 d3 ŌŌĀ f Āŋ zY3 dĀzŋēēzVĀōā BzŌ3 .ĠĀĀŌā ġĀĀtā BŮ tžDZĀĀē ĠēzĤT ŮC<sub>4</sub>H<sub>4</sub>FN<sub>3</sub>O dŋ

**:Identity tests** ĤYŊYŮŮĒ l ēpfĠŮŮē

• Dš Cš B ġĀŌĀŋŋfā šŮ Cš A jĀŌĀŋŋfā ĀŋŮ ĠĠŮĀ jŮ dŌē

Spectro ōĀĀΣĀ ĶŌ ĠĤjā ĠŌŮŋ Ž ŮzRōō ZŮŮā āĤē" jĀz3 ĶŌ 8zòzŋ zĒ Ātō ŌĤĀōā ĠĠŮĀ :A 3ŋ ōĀĀΣĀ ĶŌ ĠĤjā Ž Ġ ĀŌŋfā ZŮŮ ĠĀĀŮŮ. (43 ĠĤĀŌŮ Ů1 ĒYŌŮ) "photometry in the infrared region

.dĀzŋēēzVĀŮ reference spectrum ŮĤDZĀtj ZŮŮā 3ŋ šŮ RS dĀzŋēēzVz dŋ jĀĀōā ZŮŮā

ĀŋĒĀ3 Ůvs (ò/òzŋ 0.1) ŌŌzYŌšŌĒTĀ Rē Ž ŌŋyĀĀdsĀŌŋ 5.0 ĀŌŌē òzY+ Ġ Ōŋfā ZŮŮ BĒĀ :B ŋYĠĀ ŮĀŋzŋŋ 286 ĠāĀē ĠDZŋ òzŮē ñĤT3 ŮŌĀŌŋ ŮĀŋzŋŋ 350š Āŋzŋŋ 230 kē žĀzŋjā òzŮŮ Ž ĒĒĀĬĀ .0.36 ĠāĀē ŌŌē ĠDZtj òzŮ Ž Ĭē 1 ĠĀĀžē ĠŌŮ ōYŋ dŋ Ġ ĀŮōā

Ž A òzY+ dŋ ĠĀĀōā ĠĒĒĀōā ĠŌŌōā ĠzĀzŋ . "Fluorouracil ŌēēŌzĀsŌzVz" jĀz3 ĶŌ ŌĀŋŋfā BŮ ĀTŋ :C

.B òzY+ dŋ ĠĀĀōā ŌŮ 3ŋ ġĒĬŌš ĀTŮtj 3ēztā

.ĠĀĀŌĶ jzVōā ōšĀĀ šŮ jzVōā ōšĀĀ ŮTs1 yšŮ òzYŮ dŋ Ōŋ 0.15 8ĀĤĀš ōŋŋ Ōŋ 5 Ž Ĥ 0.05 āŌŮ :D

ĶŌ 8zòzŋ zĒ Ātō ŌĀŋŋfā òzYŮ KŮŮ ŌDZj Ĥ1.0 yĒĀĬĒĀ :Heavy metals ĠYŮŌžōā (ġĀĀVĀōā) jĀĤtā



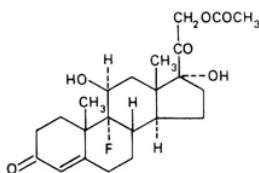
## FLUDROCORTISONI ACETAS

**Fludrocortisone acetate** DžNjRĤfNjI NjβqNj+2IŁ l FĤz c

$C_{33}H_{31}FO_6$  :Molecular formula ĞĚĀĀzā Ğ8ĚŌōā

422.5 :Relative molecular mass ĞĚĜĚĀōā ĞĚĀĀzā ĞŸŌŌōā

:Graphic formula ĞĚqĀĚĜtā Ğ8ĚŌōā



:Chemical name ĤāĤtĚŌōā ĴĚrā

9-Fluoro-11β,17,21-trihydroxypregn-4-ene-3,20-dione 21-acetate; 21-(acetyloxy)-9-fluoro-11β,17-dihydroxypregn-4-ene-3,20-dione; CAS Reg. No. 514-36-3.

.ĤĜĀĀŌĤ ĞĤuāĀōā CĀ3 šŮ ĞĤuāĀōā CĀ3 ŪĤĜĀĀŌĤ RĚuŮ šŮ RĚuŮ ĴzŮā BŏzŮā āzĤuĚŮ :Description Zŏzŏā ŪR ŸŏzŷšŏzŷŌōā TS (ŏ/h750~) ŏzŷĀŷĴā Ž ĴĀšŌōā ŌĚĚ ŪŏĀtā Ž ĤĚŮt3 āāšā Kđ :Solubility ĞĚqĀšŌōā .R Kŏjā Ž ĴĀšŌōā ĞĤuŮ

.Adrenal hormone BĀĤŌ ĴzŮĀĒ :Category ĞĀĀōā

.ŏzRōā đŮ ĞĤtŮ ŪĤĀĚDZ ĞŌŸ8Ů ĞĤšĤg Ž ĴšĀĤŏzŏšŏzŷĀōā ġĀŌĚŮ ŠĀg Āz :Storage đĀĀŌōā .hygroscopic ĞŮĀŌĚŮ ġĀŮ ĴšĀĤŏzŏšŏzŷĀōā ġĀŌĚŮ ġĀŮ ĀĤĤ :Additional information ĞĚzĀŮ ů ġĀŮŸĤŮ

### REQUIREMENTS KđŮŮŮkđŮf

ĀĀĀĀ rš %96.0 đ3 ŌŌĀ r ĀŮ zŮ3 ĴšĀĤŏzŏšŏzŷĀōā ġĀŌĚŮ BzŮŮ :General requirement ŸĀĤōā ĀĚŮŮĤā .ĞĀĀŌā ġĀĤā BŮ tŷDZĀŌā ĞzĚŮ Ů $C_{33}H_{31}FO_6$  đŮ %104.0 đ3

:Identity tests ĤŮŮŮŮĤ l ĚŮŮĤŮĚ

.Cš B đĀŮĤŮŮŮā šŮ đĀĀĀŮ Ā ŮĤŮŮŮā ĚĤŮŮ đŮŮ • ŏāĀtšā KŮ ĞĤĭjā ĞŌŮĀŮ Ž ĤzRōā ZĚŮā āĀĚ" ĴzĀ3 KŮ 8zŏzŮ zĒ Ātŏ ŌĤōā ĚĜŮĀ :A KŮ ĞĤĭjā Ž ĭĀŌŮŮā ZĚŮ ĚāĀŮŮ .(43 ĞĤĀŌōā Ů1 ĀŸŌā) "Spectrophotometry in the infrared region



















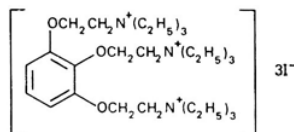
## CALLAMINI TRIETHIODIDUM

Gallamine triethiodide  $\text{D}\ddot{\text{z}}\text{N}\ddot{\text{Z}}\ddot{\text{U}}\text{F}\ddot{\text{E}}\text{I}\text{E} \text{ q}\ddot{\text{I}}\text{q}\text{N}\ddot{\text{I}}\text{k}\ddot{\text{I}}\text{p}\text{I}$

$\text{C}_{30}\text{H}_{60}\text{I}_3\text{N}_3\text{O}_3$  :Molecular formula  $\check{\text{G}}\check{\text{E}}\check{\text{A}}\check{\text{A}}\text{z}\check{\text{a}} \check{\text{G}}\check{\text{E}}\check{\text{O}}\check{\text{a}}$

891.5 :Relative molecular mass  $\check{\text{G}}\check{\text{E}}\check{\text{G}}\check{\text{E}}\check{\text{A}}\check{\text{a}} \check{\text{G}}\check{\text{E}}\check{\text{A}}\check{\text{A}}\text{z}\check{\text{a}} \check{\text{G}}\check{\text{Y}}\check{\text{Q}}\check{\text{O}}\check{\text{a}}$

:Graphic formula  $\check{\text{G}}\check{\text{E}}\check{\text{q}}\check{\text{A}}\check{\text{E}}\check{\text{G}}\check{\text{t}}\check{\text{a}} \check{\text{G}}\check{\text{E}}\check{\text{O}}\check{\text{a}}$



:Chemical name  $\text{U}\check{\text{a}}\check{\text{I}}\check{\text{E}}\check{\text{t}}\check{\text{I}}\check{\text{O}}\check{\text{a}} \text{I}\check{\text{e}}\check{\text{r}}\check{\text{a}}$

[*m*-Phenyltris(oxyethylene)]tris[triethylammonium] triiodide;  
2,2',2''-[1,2,3-benzenetriyltris(oxy)]tris[*N,N,N*-triethylethanaminium] triiodide;  
1,2,3-tris(2-diethylaminoethoxy)benzene triethiodide; CAS Reg. No. 65-29-2.

$\check{\text{G}}\check{\text{H}}\check{\text{u}}\check{\text{a}}\check{\text{A}}\check{\text{O}}\check{\text{a}} \text{C}\check{\text{A}}_3 \check{\text{U}}\check{\text{M}}\check{\text{G}}\check{\text{A}}\check{\text{O}}\check{\text{K}} \check{\text{R}}\check{\text{E}}\check{\text{a}}\check{\text{I}} \text{ s}\check{\text{U}} \check{\text{R}}\check{\text{E}}\check{\text{a}}\check{\text{I}} \text{ Jz}\check{\text{V}}\check{\text{a}} \text{ B}\check{\text{O}}\check{\text{Z}}\check{\text{Y}}\check{\text{a}} \text{ a}\check{\text{Z}}\check{\text{H}}\check{\text{E}}\check{\text{I}}\check{\text{I}}\check{\text{a}}$  :Description  $\text{Z}\check{\text{O}}\check{\text{Z}}\check{\text{O}}\check{\text{a}}$

$\check{\text{Z}} \check{\text{H}}\check{\text{E}}\check{\text{D}}\check{\text{Z}} \text{ J}\check{\text{A}}\check{\text{S}}\check{\text{O}}\check{\text{a}} \check{\text{G}}\check{\text{E}}\check{\text{H}}\check{\text{U}} \check{\text{U}}\text{T}\check{\text{S}} (\check{\text{o}}/\check{\text{h}}750\sim) \check{\text{O}}\check{\text{Z}}\check{\text{q}}\check{\text{A}}\check{\text{Z}}\check{\text{I}}\check{\text{q}}\check{\text{a}} \check{\text{Z}} \text{ J}\check{\text{A}}\check{\text{S}}\check{\text{O}}\check{\text{a}} \check{\text{O}}\check{\text{E}}\check{\text{Y}}\check{\text{e}} \check{\text{U}}\check{\text{O}}\check{\text{A}}\check{\text{t}}\check{\text{a}} \check{\text{Z}} \check{\text{H}}\check{\text{E}}\check{\text{D}}\check{\text{Z}} \check{\text{A}}\check{\text{S}}\check{\text{a}}$  :Solubility  $\check{\text{G}}\check{\text{E}}\check{\text{q}}\check{\text{A}}\check{\text{S}}\check{\text{O}}\check{\text{a}}$

$\text{.R K}\check{\text{Q}}\check{\text{J}}\check{\text{a}} \check{\text{Z}} \check{\text{M}}\check{\text{E}}\check{\text{Y}}\check{\text{t}}_3 \check{\text{A}}\check{\text{S}}\check{\text{a}} \text{Kd}\check{\text{U}}\check{\text{R}} \check{\text{Y}}\check{\text{O}}\check{\text{Z}}\check{\text{Z}}\check{\text{S}}\check{\text{O}}\check{\text{Z}}\check{\text{I}}\check{\text{O}}\check{\text{a}}$

$\text{.U}\check{\text{Y}}\check{\text{R}}_3 \text{p}\check{\text{A}}\check{\text{I}}\check{\text{a}}$  :Category  $\check{\text{G}}\check{\text{A}}\check{\text{A}}\check{\text{O}}\check{\text{a}}$

$\text{.}\check{\text{O}}\check{\text{Z}}\check{\text{R}}\check{\text{O}}\check{\text{a}} \text{d}\check{\text{H}} \check{\text{G}}\check{\text{E}}\check{\text{t}}\check{\text{T}} \check{\text{U}}\check{\text{Y}}\check{\text{A}}\check{\text{O}}\check{\text{G}}\check{\text{U}}\check{\text{a}} \check{\text{G}}\check{\text{O}}\check{\text{Y}}\check{\text{B}}\check{\text{H}} \check{\text{G}}\check{\text{I}}\check{\text{S}}\check{\text{I}}\check{\text{G}} \check{\text{Z}} \text{k}\check{\text{H}}\check{\text{F}}\check{\text{A}}\check{\text{B}}\check{\text{O}}\check{\text{a}} \check{\text{A}}\check{\text{I}}\check{\text{A}}\check{\text{Z}}\check{\text{E}}\check{\text{Z}}\check{\text{I}}\check{\text{A}}\check{\text{K}} \check{\text{S}}\check{\text{A}}\check{\text{G}} \check{\text{A}}\check{\text{E}}\check{\text{Z}}$  :Storage  $\text{d}\check{\text{I}}\check{\text{A}}\check{\text{A}}\check{\text{Q}}\check{\text{O}}\check{\text{a}}$

$\text{.hygroscopic } \check{\text{G}}\check{\text{G}}\check{\text{U}}\check{\text{A}}\check{\text{Q}}\check{\text{E}}\check{\text{I}}\check{\text{I}}\check{\text{a}} \text{g}\check{\text{A}}\check{\text{I}}\check{\text{H}} \text{k}\check{\text{H}}\check{\text{F}}\check{\text{A}}\check{\text{B}}\check{\text{O}}\check{\text{a}} \check{\text{A}}\check{\text{I}}\check{\text{A}}\check{\text{Z}}\check{\text{E}}\check{\text{Z}}\check{\text{I}}\check{\text{A}}\check{\text{K}} \check{\text{A}}\check{\text{E}}\check{\text{H}}\check{\text{A}}$  :Additional information  $\check{\text{G}}\check{\text{E}}\check{\text{Z}}\check{\text{I}}\check{\text{U}} \check{\text{G}}\check{\text{A}}\check{\text{I}}\check{\text{Z}}\check{\text{Y}}\check{\text{H}}\check{\text{I}}\check{\text{a}}$

### REQUIREMENTS $\text{KCh}\check{\text{U}}\check{\text{I}}\check{\text{O}}\check{\text{S}}\check{\text{K}}\check{\text{O}}\check{\text{Z}}\check{\text{I}}\check{\text{f}}$

$\text{d}\check{\text{O}}_3 \check{\text{A}}\check{\text{I}}\check{\text{A}}\check{\text{I}} \text{f}\check{\text{S}} \%98.0 \text{ d}\check{\text{O}}_3 \check{\text{O}}\check{\text{O}}\check{\text{I}} \text{f} \check{\text{I}}\check{\text{H}} \text{z}\check{\text{Y}}_3 \text{k}\check{\text{H}}\check{\text{F}}\check{\text{A}}\check{\text{B}}\check{\text{O}}\check{\text{a}} \check{\text{A}}\check{\text{I}}\check{\text{A}}\check{\text{Z}}\check{\text{E}}\check{\text{Z}}\check{\text{I}}\check{\text{A}}\check{\text{K}} \text{Bz}\check{\text{Q}}_3$  :General requirement  $\check{\text{Y}}\check{\text{A}}\check{\text{H}}\check{\text{O}}\check{\text{a}} \check{\text{A}}\check{\text{E}}\check{\text{Y}}\check{\text{U}}\check{\text{Q}}\check{\text{U}}\check{\text{a}}$

$\check{\text{.G}}\check{\text{A}}\check{\text{A}}\check{\text{O}}\check{\text{a}} \text{g}\check{\text{A}}\check{\text{I}}\check{\text{t}}\check{\text{a}} \text{B}\check{\text{U}} \text{t}\check{\text{Z}}\check{\text{D}}\check{\text{Z}}\check{\text{A}}\check{\text{O}}\check{\text{A}}\check{\text{E}} \check{\text{G}}\check{\text{A}}\check{\text{Z}}\check{\text{E}}\check{\text{T}} \check{\text{U}}\check{\text{C}}_{30}\check{\text{H}}_{60}\check{\text{I}}_3\check{\text{N}}_3\check{\text{O}}_3 \text{d}\check{\text{H}} \%101.0$

:Identity tests  $\text{h}\check{\text{U}}\check{\text{I}}\check{\text{N}}\check{\text{I}}\check{\text{N}}\check{\text{U}}\check{\text{I}}\check{\text{E}} \text{I} \text{E}\check{\text{P}}\check{\text{F}}\check{\text{G}}\check{\text{I}}\check{\text{Q}}\check{\text{I}}\check{\text{E}}$

$\text{.D}\check{\text{S}} \text{C}\check{\text{S}} \text{B} \check{\text{G}}\check{\text{A}}\check{\text{O}}\check{\text{A}}\check{\text{Q}}\check{\text{H}}\check{\text{E}}\check{\text{F}}\check{\text{a}} \text{s}\check{\text{U}} \text{D}\check{\text{S}} \text{A} \text{d}\check{\text{O}}\check{\text{A}}\check{\text{Q}}\check{\text{H}}\check{\text{E}}\check{\text{F}}\check{\text{a}} \check{\text{E}}\check{\text{P}}\check{\text{E}}\check{\text{O}}\check{\text{K}} \text{d}\check{\text{O}}\check{\text{Z}} \bullet$

$\check{\text{O}}\check{\text{A}}\check{\text{A}}\check{\text{t}}\check{\text{S}}\check{\text{A}} \check{\text{K}}\check{\text{O}} \check{\text{G}}\check{\text{H}}\check{\text{I}}\check{\text{J}}\check{\text{a}} \check{\text{G}}\check{\text{O}}\check{\text{U}}\check{\text{H}}\check{\text{I}}\check{\text{a}} \check{\text{Z}} \text{U}\check{\text{a}}\check{\text{Z}}\check{\text{R}}\check{\text{O}}\check{\text{a}} \text{Z}\check{\text{E}}\check{\text{U}}\check{\text{O}}\check{\text{a}} \check{\text{A}}\check{\text{I}}\check{\text{E}}\check{\text{e}}" \text{J}\check{\text{A}}\check{\text{Z}}\check{\text{A}}_3 \check{\text{K}}\check{\text{O}} \text{Bz}\check{\text{O}}\check{\text{Z}}\check{\text{H}} \text{Z}\check{\text{E}} \check{\text{A}}\check{\text{t}}\check{\text{O}} \check{\text{O}}\check{\text{H}}\check{\text{A}}\check{\text{O}}\check{\text{a}} \check{\text{E}}\check{\text{G}}\check{\text{U}}\check{\text{I}}\check{\text{a}} \text{:A}$

$\text{.(43 } \check{\text{G}}\check{\text{H}}\check{\text{A}}\check{\text{O}}\check{\text{O}}\check{\text{a}} \check{\text{U}}_1 \check{\text{A}}\check{\text{E}}\check{\text{Y}}\check{\text{O}}\check{\text{a}}) \text{"Spectrophotometry in the infrared region}$

$\text{Z}\check{\text{E}}\check{\text{U}}\check{\text{O}}\check{\text{a}} \text{Z}\check{\text{H}} \text{s}\check{\text{U}} \text{RS} \text{k}\check{\text{H}}\check{\text{F}}\check{\text{A}}\check{\text{B}}\check{\text{O}}\check{\text{a}} \check{\text{A}}\check{\text{I}}\check{\text{A}}\check{\text{Z}}\check{\text{E}}\check{\text{Z}}\check{\text{I}}\check{\text{A}}\check{\text{K}} \text{d}\check{\text{H}} \text{J}\check{\text{A}}\check{\text{A}}\check{\text{O}}\check{\text{a}} \text{Z}\check{\text{E}}\check{\text{U}}\check{\text{O}}\check{\text{a}} \text{Z}\check{\text{H}} \check{\text{O}}\check{\text{A}}\check{\text{A}}\check{\text{t}}\check{\text{S}}\check{\text{A}} \check{\text{K}}\check{\text{O}} \check{\text{G}}\check{\text{H}}\check{\text{I}}\check{\text{J}}\check{\text{a}} \check{\text{Z}} \check{\text{I}} \check{\text{A}}\check{\text{O}}\check{\text{H}}\check{\text{E}}\check{\text{F}}\check{\text{a}} \text{Z}\check{\text{E}}\check{\text{U}} \check{\text{E}}\check{\text{A}}\check{\text{I}}\check{\text{U}}\check{\text{Q}}\check{\text{I}}\check{\text{a}}$

. *reference spectrum*  $\bar{U}H\bar{D}Z\bar{A}t\bar{a}$   
 $\bar{A}n\bar{A}l\bar{3} \bar{U}vs (\bar{o}/\bar{o}zn\bar{u} 0.01) \bar{O}\bar{M}\bar{o}z\bar{Y}\bar{D}\bar{s}\bar{o}\bar{A}E\bar{T}\bar{a} \bar{R}\bar{p} \bar{Z} \bar{O}n/\bar{y}\bar{a}\bar{A}q\bar{s}\bar{A}\bar{O}n\bar{u} 10 \bar{A}\bar{E}\bar{D}\bar{A}Q\bar{a} \bar{o}z\bar{Y}+ \bar{I} \bar{A}\bar{O}n\bar{F}\bar{a} \bar{Z}\bar{I}\bar{u} \bar{B}\bar{A}G\bar{A} :B$   
 $J\bar{Z}\bar{O}\bar{A} \bar{U}\bar{A}Qn\bar{Z}\bar{p}\bar{A}p 225 \bar{G}\bar{a}\bar{A}e \bar{G}\bar{D}Z\bar{t}\bar{a} \bar{o}z\bar{u} \bar{Z} \bar{M}\bar{E}\bar{t}\bar{T}\bar{3}\bar{U} \bar{M}\bar{D}\bar{A}\bar{O}n\bar{a} \bar{A}\bar{Q}n\bar{Z}\bar{p}\bar{A}p 350\bar{s} \bar{A}\bar{Q}n\bar{Z}\bar{p}\bar{A}p 220 \bar{k}\bar{a} \bar{Z}\bar{a}zn\bar{j}\bar{a} \bar{o}\bar{a}z\bar{u}\bar{I} \bar{Z} \bar{A}\bar{E}\bar{A}\bar{I}\bar{A}$   
 $.0.55\bar{s} 0.50 \bar{k}\bar{a} \bar{a}\bar{O}\bar{L} \bar{G}\bar{D}Z\bar{t}\bar{a} \bar{o}z\bar{u} \bar{Z} \bar{I}\bar{e} \bar{I} \bar{G}\bar{p}\bar{A}\bar{A}\bar{Z}\bar{a} \bar{G}\bar{O}\bar{C}\bar{U}\bar{o} \bar{I} \bar{A}\bar{t}\bar{Q}\bar{o}\bar{a}$   
 $J\bar{Z}\bar{Y}\bar{a} \bar{G}\bar{a}\bar{A}\bar{E}\bar{B} \bar{J}\bar{Q}\bar{A}\bar{k} \bar{U}potssio-mercuric iodide TS \bar{o}z\bar{Y}T\bar{I} \text{ d}n\bar{u} \bar{O}n\bar{u} 1 \bar{8} \bar{A}\bar{R}\bar{I}\bar{s} \bar{o}\bar{A}n\bar{u} \bar{O}n\bar{u} 5 \bar{Z} \bar{h} 0.05 \bar{a}\bar{A}\bar{O}\bar{A} :C$   
 $\bar{A}\bar{A}\bar{D}\bar{U}$

General  $\bar{G}n\bar{A}\bar{H}\bar{o}\bar{a} \bar{8} \bar{a}\bar{A}\bar{H}\bar{Q}\bar{e}\bar{r}\bar{a} \bar{g}\bar{a}\bar{o}\bar{A}\bar{Q}\bar{n}\bar{a}$ "  $J\bar{a}Z\bar{A}\bar{3} \bar{K}\bar{O} \bar{8}z\bar{o}z\bar{t}\bar{a} \bar{A} \bar{O}\bar{3}\bar{A}\bar{A}\bar{Q}\bar{o}\bar{a} \bar{O}n/\bar{h}0.01 \bar{A}\bar{E}\bar{D}\bar{A}Q\bar{a} \bar{o}z\bar{Y}+ \bar{a} \bar{U}\bar{O}\bar{H}\bar{A} :D$   
 $.(122 \bar{G}\bar{H}\bar{A}\bar{O}\bar{o}\bar{a} \bar{U}1 \bar{A}\bar{E}\bar{Y}\bar{O}\bar{a}) \text{ iodides } \bar{g}\bar{a}\bar{A}\bar{A}\bar{Z}\bar{E}\bar{V}\bar{o} \bar{A}\bar{B}\bar{t}\bar{h} \bar{O}\bar{3}\bar{A}\bar{A}\bar{Q}\bar{O} \text{ "identification tests$

$\bar{O}n\bar{u} 10 \bar{Z} \bar{h}0.20 \bar{A}\bar{E}\bar{D}\bar{A}Q\bar{a} \bar{M}\bar{D}Z\bar{a}\bar{H}\bar{u} \bar{A}\bar{R}+ \bar{a} \bar{o}z\bar{Y}+ \bar{a} J\bar{Z}\bar{O}\bar{A} :Clarity and colour of solution \bar{o}z\bar{Y}+ \bar{a} J\bar{Z}\bar{o}\bar{s} \bar{o}\bar{A}\bar{A}\bar{D}$   
 $\bar{A}n\bar{A}l\bar{3} \bar{Y}w1 \bar{B}\bar{o}\bar{A}\bar{E}\bar{H}\bar{t}\bar{a} J\bar{Z}\bar{Y}\bar{o}\bar{a} \bar{o}z\bar{Y}T\bar{I} J\bar{Z}\bar{o} \bar{g}\bar{A}\bar{I} \text{ d}n\bar{u} \bar{E}\bar{D}\bar{I} \bar{C}p\bar{Z}\bar{o} \bar{g}\bar{A}\bar{I} J\bar{Z}\bar{O}\bar{k} \bar{F}\bar{s} \bar{M}\bar{Z}\bar{A}\bar{D} J\bar{Z}\bar{a}\bar{A}\bar{O}\bar{o}\bar{a} \bar{A}\bar{E}\bar{E}\bar{D}\bar{W} \bar{U}\bar{a}\bar{A}\bar{Q} \text{ d}n\bar{u} \bar{o}\bar{A}\bar{n} \bar{o}\bar{A}n\bar{u}$   
 $.(53 \bar{G}\bar{H}\bar{A}\bar{O}\bar{o}\bar{a} \bar{U}1 \bar{A}\bar{E}\bar{Y}\bar{O}\bar{a}) \text{ "colour of liquids } \bar{O}\bar{a}\bar{Z}\bar{E}\bar{o}\bar{a} J\bar{Z}\bar{o} \text{ " } J\bar{a}Z\bar{A}\bar{3} \bar{K}\bar{O} \bar{8}z\bar{o}z\bar{u} \bar{Z}\bar{L} \bar{A}\bar{t}\bar{O} J\bar{o}\bar{A}\bar{O}\bar{A}$

$\bar{h}/\bar{M}\bar{I}\bar{n} 1.0 \text{ d}3 \bar{A}\bar{E}\bar{A}\bar{A} \bar{F} :Sulfated ash \bar{K}\bar{A}\bar{Y}\bar{E}\bar{t}\bar{a} \bar{a}\bar{A}n\bar{u}\bar{o}\bar{a}$   
 $\text{d}n\bar{u} \bar{A}\bar{Z}\bar{D}\bar{I} \bar{A}\bar{E}\bar{O}\bar{A}\bar{A} \bar{F} \bar{U}\bar{o}\bar{y} 105 \bar{g}\bar{o}\bar{a}\bar{A}\bar{g} \bar{G}\bar{D}Z\bar{o}\bar{A}\bar{a} \bar{K}\bar{a}\bar{Z}\bar{Y}\bar{o}\bar{a} J\bar{a}Z\bar{o}\bar{a} \bar{Z}\bar{o}\bar{Q}\bar{g} \bar{Z}\bar{A}\bar{Z} :Loss on drying \bar{Z}\bar{E}\bar{A}\bar{D}Z\bar{o}\bar{A}\bar{a} \bar{A}\bar{E}\bar{O}\bar{A}\bar{o}\bar{a}$   
 $\bar{h}/\bar{M}\bar{I}\bar{n}15$

$\bar{o}z\bar{p}\bar{A}\bar{Z}\bar{W}/\bar{O}\bar{E}\bar{Z}\bar{t}\bar{a} \bar{g}\bar{A}\bar{t}\bar{g} \bar{o}z\bar{Y}T\bar{I} \text{ d}n\bar{u} \bar{O}n\bar{u} 0.2 \bar{o}\bar{A}\bar{t}\bar{a} \text{ d}n\bar{u} \bar{O}n\bar{u} 50 \bar{B}\bar{U} \bar{8} \bar{A}\bar{R}\bar{A} :Acidity and alkalinity \bar{G}\bar{A}\bar{Z}\bar{Y}\bar{O}\bar{o}\bar{a}\bar{s} \bar{G}\bar{Y}\bar{Z}\bar{t}\bar{\Sigma}\bar{a}$   
 $\bar{A}\bar{E}\bar{E}\bar{D}\bar{s}\bar{o}\bar{A}\bar{E}\bar{L} \bar{o}z\bar{Y}T\bar{I}\bar{s}\bar{U} \text{ vs } (\bar{o}/\bar{o}zn\bar{u} 0.01) \bar{O}\bar{M}\bar{o}z\bar{A}\bar{Y}\bar{E}\bar{o}\bar{a} \bar{R}\bar{p} \bar{A}n\bar{u} \bar{G}\bar{Z}\bar{A}\bar{r}\bar{U} \bar{G}\bar{U}\bar{e}\bar{a}\bar{Z}\bar{a} 6 \bar{Z}\bar{o}\bar{Q}\bar{g} \bar{o}\bar{A}\bar{L}\bar{G}\bar{o}\bar{a} \bar{o}\bar{E}\bar{H}\bar{I}\bar{s} TS$   
 $\bar{R}\bar{E}\bar{Z}\bar{s} \bar{G}\bar{o}\bar{Z}\bar{H}\bar{A}\bar{t}\bar{a} \bar{g}\bar{A}\bar{t}\bar{a} \text{ d}n\bar{u} \bar{h}1.0 \bar{8} \bar{A}\bar{R}\bar{A} .\bar{B}\bar{A}\bar{O}\bar{k}\bar{A}\bar{a} - \bar{A}\bar{A}\bar{D}\bar{U} J\bar{Z}\bar{o} \bar{Z}\bar{Y}\bar{3} \bar{o}z\bar{O}\bar{\Sigma}\bar{a} \bar{Z}\bar{o}\bar{Q}\bar{g} \text{ vs } (\bar{o}/\bar{o}zn\bar{u} 0.02) \bar{y}\bar{Z}\bar{A}\bar{Z}\bar{O}\bar{o}\bar{a}$   
 $\bar{o}z\bar{Y}T\bar{I} \text{ d}n\bar{u} \bar{s}\bar{U} \text{ vs } (\bar{o}/\bar{o}zn\bar{u} 0.01) \bar{O}\bar{M}\bar{o}z\bar{A}\bar{Y}\bar{E}\bar{o}\bar{a} \bar{R}\bar{p} \text{ d}n\bar{u} \bar{A}n\bar{u} \bar{O}n\bar{u} 0.2 \text{ d}n\bar{u} \bar{A}\bar{Z}\bar{D}\bar{I} \bar{A}n\bar{j}\bar{a} \bar{A}\bar{E}\bar{Y}\bar{U}\bar{Q}\bar{A} \bar{U} \bar{a}\bar{s}\bar{o}\bar{k} \bar{Z}\bar{o}\bar{Q}\bar{g}$   
 $.\bar{C}\bar{E}\bar{A}\bar{p} \bar{U}\bar{Y}\bar{o}\bar{J}\bar{a} \bar{B}\bar{A}\bar{O}\bar{k}\bar{E}\bar{o}\bar{a} - \bar{A}\bar{A}\bar{D}\bar{U} J\bar{Z}\bar{Y}\bar{o}\bar{a} \bar{Z}\bar{Y}\bar{3} \bar{o}z\bar{O}\bar{H}\bar{U}\bar{V}\bar{o} \text{ vs } (\bar{o}/\bar{o}zn\bar{u} 0.02) \bar{y}\bar{Z}\bar{A}\bar{Z}\bar{O}\bar{o}\bar{a} \bar{A}\bar{E}\bar{E}\bar{D}\bar{s}\bar{o}\bar{A}\bar{E}\bar{L}$

$\bar{G}\bar{O}\bar{L}\bar{e}\bar{A}\bar{o}\bar{a} \bar{G}\bar{O}\bar{C}\bar{U}\bar{o}\bar{a} \bar{a}\bar{a}\bar{A}\bar{I}\bar{Q}\bar{e}\bar{a}$ "  $J\bar{a}Z\bar{A}\bar{3} \bar{K}\bar{O} \bar{8}z\bar{o}z\bar{u} \bar{Z}\bar{L} \bar{A}\bar{t}\bar{O} \bar{o}\bar{A}\bar{Q}\bar{n}\bar{F}\bar{a} \bar{Z}\bar{A}\bar{Z} :Related substances \bar{G}\bar{o}\bar{A}\bar{I}\bar{t}\bar{a} \bar{a}\bar{a}z\bar{t}\bar{a}$   
 $\text{d}n\bar{u} \bar{J}\bar{A}\bar{A}n\bar{s} \bar{G}\bar{Y}\bar{B}n\bar{u} \bar{g}\bar{A}\bar{A}\bar{t}\bar{O} \text{ cellulose R1 } \bar{a}\bar{Z}\bar{o}z\bar{Y}\bar{E}\bar{o}\bar{a} \bar{y}\bar{a}\bar{A}\bar{A}\bar{Q}\bar{e}\bar{A}\bar{a} \bar{U}(84 \bar{G}\bar{H}\bar{A}\bar{O}\bar{o}\bar{a} \bar{U}1 \bar{A}\bar{E}\bar{Y}\bar{O}\bar{a}) \text{ "Thin-layer chromatography}$   
 $\bar{E}\bar{G}\bar{U}\bar{A} .\bar{o}\bar{A}\bar{H}\bar{Q}\bar{n} \bar{o}z\bar{U}\bar{o} \bar{R} \bar{o}z\bar{p}\bar{A}\bar{k}\bar{Z}\bar{a}-1 \text{ d}n\bar{u} \bar{M}\bar{t}\bar{D}z\bar{g} 66\bar{s} \bar{o}\bar{A}\bar{t}\bar{a} \text{ d}n\bar{u} \bar{M}\bar{t}\bar{D}z\bar{g} 17 \bar{U}\bar{R} \bar{U}\bar{D}Z\bar{Y}\bar{J}\bar{o}\bar{a} \bar{O}\bar{E}\bar{Q}\bar{E}\bar{e}\bar{j}\bar{a} \bar{R}\bar{p} \text{ d}n\bar{u} \bar{M}\bar{t}\bar{D}z\bar{g} 17$   
 $\bar{M}\bar{I}\bar{n} 5.0 \bar{B}z\bar{Z} :(A) \bar{o}z\bar{Y}+ \bar{a} \bar{U}TS (\bar{o}/\bar{h}750\sim) \bar{o}z\bar{p}\bar{A}\bar{Z}\bar{I}\bar{Q}\bar{a} \bar{Z} \bar{k}\bar{A}\bar{Q}\bar{a} \bar{k}\bar{o}z\bar{Y}T\bar{I} \text{ d}n\bar{u} \bar{y}\bar{a}\bar{A}q\bar{s}\bar{A}\bar{O}n\bar{u} 10 \bar{G}\bar{H}\bar{A}\bar{O}\bar{o}\bar{a} \bar{Z}\bar{Y}\bar{3} \bar{M}\bar{O}\bar{A}\bar{A}n$   
 $\bar{o}\bar{A}\bar{H}\bar{Q}\bar{n}\bar{t}\bar{a} \bar{o}z\bar{U}\bar{o}\bar{a} \bar{o}\bar{A}\bar{Q}\bar{A} .\bar{O}n\bar{u} 1 \bar{O}\bar{o} \bar{Z} \bar{o}\bar{A}\bar{Q}\bar{n}\bar{F}\bar{a} \bar{g}\bar{A}\bar{A}n \text{ d}n\bar{u} \bar{M}\bar{I}\bar{n} 0.05 \bar{B}z\bar{Z} :(B) \bar{o}z\bar{Y}+ \bar{a}\bar{s} \bar{O}n\bar{u} 1 \bar{O}\bar{o} \bar{Z} \bar{o}\bar{A}\bar{Q}\bar{n}\bar{F}\bar{a} \bar{g}\bar{A}\bar{A}n \text{ d}n\bar{u}$   
 $\bar{o}z\bar{Y}\bar{H}\bar{u} \bar{a}\bar{A}\bar{I}\bar{s} \text{ d}n\bar{u} \bar{o}\bar{a}\bar{Z}\bar{T}\bar{a} \text{ d}n\bar{u} \bar{o}\bar{A}\bar{E}\bar{k} \bar{Z} \bar{Z}\bar{A}\bar{O} \bar{U} \bar{a}\bar{a}\bar{A}\bar{I}\bar{Q}\bar{e}\bar{r}\bar{a} \bar{g}\bar{K}\bar{D}z\bar{g} \text{ d}n\bar{u} \bar{G}\bar{H}\bar{A}\bar{O}\bar{o}\bar{a} \bar{t}\bar{A}\bar{p} \bar{A}\bar{E}\bar{H}\bar{a} .\bar{I}\bar{e} 10 \bar{Z}\bar{o}\bar{Q}\bar{g} \bar{a}\bar{Z}\bar{H}\bar{O}\bar{V}\bar{o}$   
 $\bar{o}z\bar{Y}+ \bar{a} \bar{a}\bar{a}\bar{A}\bar{I}\bar{Q}\bar{e}\bar{a} \bar{U}\bar{U}\bar{U} \bar{Z} \bar{G}\bar{D}Z\bar{s}\bar{A}\bar{A}n \bar{A}\bar{C}\bar{E}\bar{U}\bar{D}\bar{s} \bar{s}\bar{A}\bar{E}\bar{G}\bar{k} \bar{a}\bar{o}\bar{a}\bar{U} J\bar{Z}\bar{Y}\bar{a} \bar{G}\bar{o}\bar{s}\bar{A}\bar{O}n\bar{u} \bar{G}\bar{H}\bar{O}\bar{a} \bar{O}\bar{O}\bar{I}\bar{Q}\bar{k} .Potassium iodoplatinate TS$   
 $.B \bar{o}z\bar{Y}+ \bar{a} \text{ d}n\bar{u} \bar{G}\bar{O}\bar{A}\bar{A}\bar{o}\bar{a} \bar{O}\bar{Y}\bar{k} \text{ d}n\bar{u} \bar{g}\bar{A}\bar{I} \bar{A}\bar{Z}\bar{D}\bar{I} \bar{A} \bar{o}z\bar{Y}+ \bar{a} \text{ d}n\bar{u} \bar{G}\bar{O}\bar{A}\bar{A}\bar{o}\bar{a} \bar{G}\bar{E}\bar{E}\bar{A}\bar{o}\bar{a} \bar{G}\bar{H}\bar{O}\bar{G}\bar{o}\bar{a} \bar{a}\bar{Z}\bar{Z} \bar{G}\bar{H}\bar{O}\bar{a} \bar{G}\bar{A}\bar{U} J\bar{Z}\bar{O}\bar{k} \bar{F}\bar{s} .A$

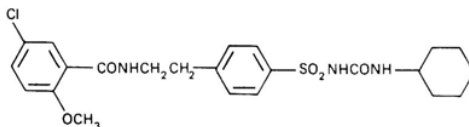








**Graphic formula**  



**:Chemical name** U<sub>A</sub>E tEÖöä lèrā

1-[[*p*-[2-(5-Chloro-*o*-anisamido)ethyl]phenyl]sulfonyl]-3-cyclohexylurea; 5-chloro-*N*-[2-[4-[[[(cyclohexylamino)carbonyl]amino]sulfonyl]phenyl]ethyl]-2-methoxybenzamide; 1-[4-[2-(5-chloro-2-methoxybenzamido)ethyl]phenylsulfonyl]-3-cyclohexylurea; CAS Reg. No. 10238-21-8.

[illegible]

## REQUIREMENTS

%101.0 d<sub>3</sub> āšōk f %98.5 d<sub>3</sub> ōōl f ĩn rŷz ÁEnYÖNGÿd BzQZ :General requirement yĀHōā ÄYÜQā  
 .GAAÖā gāItā Dū t zDZÄöāz GīzÊTj ŪC<sub>23</sub>H<sub>28</sub>CIN<sub>3</sub>O<sub>5</sub>S dn.

### Identity tests

.C\$ B dloñqñnfā šū čáĀñ A ōñqñnfā Āñŭ ēēōŭ dōē •  
 òǎĀtΣā K'Ō ĠĤījā GŌŪñ Ž ĤzRōā ZēŬōā āĒē" jȳĀž K'Ō 8zòzñ zĒ Ātō A ÒHāōā ēēōŪ :A  
 K'Ō ĠĤījā Ž ī ĀŌñnfā ZēŬ ēēĀŬñ .(43 ĠHāŌōā ū1 ĒīŌā) "Spectrophotometry in the infrared region  
 .ĒēñYŌAGEY8ŭ reference spectrum ĤHDZĀtā ZēŬōā Bŭ tȳDZĀōā RS ĒēñYŌAGEY8ŭ dñ jĶāōā ZēŬōā žñ òǎĀtΣā  
 ĀñĒĀž Ūvs (ó/ózn 0.01) ŌŏžŷōšŏĒTā Rē ž ŌñŦññ 0.10 ĒēŌāē ōžŸ† ī ĀŌñnfā ZēŬ BĒĀ :B  
 ĒēŦŽŭ ĒŏĀŌññē Āññzññ 230 ČāāĒē ĒēŦŽŭ ĒŏĀŌññ ŪĀññzññ 350ē Āññzññ 230 kē žȳžññ ōžžŭ Ž ĒĒĒĒ  
 .0.63 ČāāĒē Āññzññ 300 ĠDztā ōžž Ž Ĵē 1 ĠñĀĴē ĠŌğŭ ōYñ dñ ī Ātōā Ŧŧñ ŪĀññzññ 275 ČāāĒē Ōēŭ ĠDžŏĒē  
 .°ŧ 172 ČāāĒē ŪŏŦŌñnfā gŏĀġ ĠDžŏā :C

ĶŌ 8zōŋzL 1tō ōāŋŋrā ōzYŦ KRŌ ŌDZj ħ1.0 yĀĀĒĒ :Heavy meats ǧYĒŌŌā (ǧāĀYāā) jāĦtā



1 $\alpha$ H,5 $\alpha$ H-Tropan-3 $\alpha$ -ol mandelate (ester) hydrobromide; ( $\pm$ )-*endo*-8-methyl-8-azabicyclo[3.2.1]oct-3-yl  $\alpha$ -hydroxybenzeneacetate hydrobromide; CAS Reg. No. 51-56-9.

## REQUIREMENTS

## Identity tests

.ÖÖÄöä 3η °ȳ 215 ĞääÀę ŨóÁŦÔøřā góäÀğ ĞDZóá :C

**.70-5.5 UO<sub>2</sub>/H<sub>2</sub>O at 20 °C ± 0.5 °C pH Value 6.8-9.0**

[illegible]









օշոթիլիզի չ օն/նի 10 օթօթ օշիլ յօթթիլ :Specific optical rotation Եշթթ Բթօթ Թթթթ  
 .[a]<sub>D</sub><sup>20°C</sup> = +140° to +150° օթթ Բ չթթթթ Թթթթ TS (օ/հ750~)  
 30 ժ Թթթ Թթթ Բ Եթ 105 ցթթթ ցթթթ Թթթթ յթթթ շթթ չթթ :Loss on drying Չթթթթ Թթթթ  
 .հ/նի

ցթթթ օթթիլի" յթթ ԿՕ 8շթթ չթ օթթ օթթթթ Թթթ :Related steroides ցթթթ ցթթթթթթթ  
 յթթթ ցթթթ ցթթթ R1 Թթթթթ ցթթթ յթթթթթթ Ս(84 ցթթթթ Ս1 Թթթթ) "Thin-layer chromatography ցթթթթթ  
 օշթթ օթթ յթթթ 1.25 Ս օշթթթ ժ յթթթ 8 Սթթթ ժ յթթթ 15 Ս յթթթթթթթ ժ յթթթ 77 ժ  
 օշթթթթթ յթթթթթթթ ժ յթթթթթ օթթթթ յթթ չ Կթթ Կթթթ ժ Թթթթթ 1 ցթթթթ շթ Թթթթ Եցթթ .թթթթ  
 չ օթթթթթ ցթթ ժ յթթ 0.15 Բթթ : (B) օշթթթ օթթ 1 օթ չ օթթթթթ ցթթ ժ յթթ 15 Բթթ : (A) օշթթթ Ս  
 ցթթթթ ժթթ Չ Ս ցթթթթ Թթթթ շթթ չթթ չ Չթթթ օթթթ Ս օթթթթթթ ցթթթ ժ յթթթթթթ յթթ Թթթթթթ 1 օթ  
 Սթթ յթթթթթթ Թթթթթթթթ/յթթթթթթթթ ցթթ օշթթթ օթթ օթթթ ցթթթթթթ օթթթ Սթթթթ 10 ցթթ Եթ 105 ցթթթթ  
 ցթթ Թթթթ Թթթթթթթ ցթթթթ օթթթթթթ Ս օշթթթ ժ յթթթ ցթթթ ցթթ յթթթ Բ .թթթթթ օշթ չ օթթթթթթ ՍՍՍ Թթթթ  
 .B օշթթթ ժ ժթթթթ օթթ ժ

օթթթթթ Րթ ժ օթ 75 չ Թթթթթթթ ցթթթթ Սթ ցթթթ Չթթթթ Կթթթթ չ օթթ :Sodium յթթթթթթ  
 Թթթթ Սթ օթթթթթ Րթ/ցթթթթթ ցթթթթթթ օշթթ ժ օթ 0.15 Ս յթթթթթթ ժ օթ 20 8թթթ .R Եթթթթթ  
 ժ յթթ 2.299 օթթթ vs (օ/օթ 0.1) օթթթթթթթ Րթ ժ օթ 1 օթ .vs (օ/օթ 0.1) օթթթթթթթ Րթթ  
 .Թթթթթ ցթթթ Բ չթթթթթթ ցթթթ Սթ օթ չ Na ժ 48.4 ժ Թթթթ Բ յթթ 46.0 ժ օթթ Չթթթ յթթթ ՍNa  
 Սթ 100 օթթթ Լթթ օթթթ օթթ ժ յթթթ չթթ չ Սթթթթթթ ցթթթթ Սթթ 20 ցթթթ օթթթ :Assay ցթթթթթթ  
 Եթթթթ ցթթթ օշթթ չթթթթ օշթթթթ լթ 1 ցթթթթ ցթթթ օթթ ժ յթթ օթթթ օթթթ յթթ 100 Բ յթթ 5 Չթթ  
 յթթթթթթթթ յթթթթթ ցթթթթթ չ ցթթթթթթ ցթթթթթթ ցթթթ չ C<sub>25</sub>H<sub>33</sub>NaO<sub>8</sub> ցթթթ Թթթթ .Թթթթթթ 248 ցթթթթ  
 Եթթթթթթ օշթթթթթ Թթթթթթ Թթթթ Եթթ չթթ օթթթ յթթթթթթ Թթ յթթթթ յթթթ .ժթթթթթ ցթթթթթ ցթթթթթթ Սթթ  
 .0.02 ± 0.34

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## HYDROXOCOBALAMINUM

**Hydroxocobalamin**  $\text{D}\tilde{\text{z}}\tilde{\text{d}}\tilde{\text{z}}\tilde{\text{U}}\tilde{\text{F}}\tilde{\text{G}}\tilde{\text{N}}\tilde{\text{j}}\text{I}\tilde{\text{N}}\tilde{\text{j}}\text{z}\text{I}\tilde{\text{N}}\tilde{\text{j}}\tilde{\text{b}}\tilde{\text{q}}\tilde{\text{I}}\tilde{\text{j}}$

**anhydrous**  $\tilde{\text{I}}\tilde{\text{a}}\tilde{\text{f}}\tilde{\text{d}}\tilde{\text{z}}\tilde{\text{U}}\tilde{\text{F}}\tilde{\text{G}}\tilde{\text{N}}\tilde{\text{j}}\text{I}\tilde{\text{N}}\tilde{\text{j}}\text{z}\text{I}\tilde{\text{N}}\tilde{\text{j}}\tilde{\text{b}}\tilde{\text{q}}\tilde{\text{I}}\tilde{\text{N}}\tilde{\text{I}}\tilde{\text{E}}$

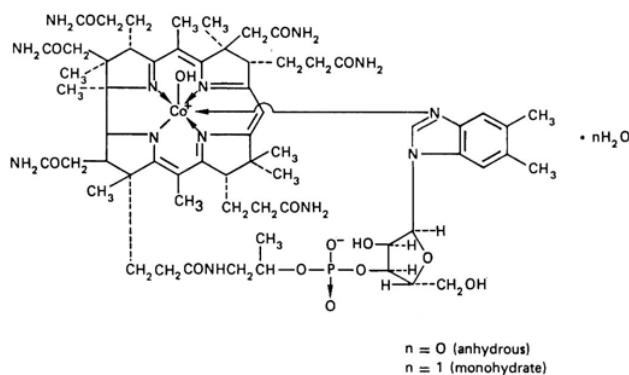
**hydrate**  $\tilde{\text{I}}\tilde{\text{I}}\tilde{\text{E}}\tilde{\text{b}}\tilde{\text{q}}\tilde{\text{I}}\tilde{\text{N}}\tilde{\text{I}}\tilde{\text{E}}\text{D}\tilde{\text{z}}\tilde{\text{d}}\tilde{\text{z}}\tilde{\text{U}}\tilde{\text{F}}\tilde{\text{G}}\tilde{\text{N}}\tilde{\text{j}}\text{I}\tilde{\text{N}}\tilde{\text{j}}\text{z}\text{I}\tilde{\text{N}}\tilde{\text{j}}\tilde{\text{b}}\tilde{\text{q}}\tilde{\text{I}}\tilde{\text{N}}\tilde{\text{I}}\tilde{\text{E}}$

**Molecular formula**  $\tilde{\text{G}}\tilde{\text{E}}\tilde{\text{A}}\tilde{\text{A}}\tilde{\text{z}}\tilde{\text{a}}\tilde{\text{G}}\tilde{\text{8}}\tilde{\text{E}}\tilde{\text{O}}\tilde{\text{a}}$

$\text{C}_{62}\text{H}_{89}\text{CoN}_{13}\text{O}_{15}\text{P}$  (anhydrous);  $\text{C}_{62}\text{H}_{89}\text{CoN}_{13}\text{O}_{15}\text{P}\cdot\text{H}_2\text{O}$  (monohydrate)

.1346 (anhydrous); 1365 (monohydrate) **Relative molecular mass**  $\tilde{\text{G}}\tilde{\text{E}}\tilde{\text{G}}\tilde{\text{E}}\tilde{\text{A}}\tilde{\text{a}}\tilde{\text{G}}\tilde{\text{E}}\tilde{\text{A}}\tilde{\text{A}}\tilde{\text{z}}\tilde{\text{a}}\tilde{\text{G}}\tilde{\text{Y}}\tilde{\text{Q}}\tilde{\text{O}}\tilde{\text{a}}$

**Graphic formula**  $\tilde{\text{G}}\tilde{\text{E}}\tilde{\text{q}}\tilde{\text{A}}\tilde{\text{E}}\tilde{\text{G}}\tilde{\text{t}}\tilde{\text{a}}\tilde{\text{G}}\tilde{\text{8}}\tilde{\text{E}}\tilde{\text{O}}\tilde{\text{a}}$



**Chemical name**  $\tilde{\text{U}}\tilde{\text{a}}\tilde{\text{A}}\tilde{\text{E}}\tilde{\text{t}}\tilde{\text{I}}\tilde{\text{O}}\tilde{\text{a}}\tilde{\text{I}}\tilde{\text{E}}\tilde{\text{r}}\tilde{\text{a}}$

Cobinamide dihydroxide dihydrogen phosphate (ester), mono(inner salt), 3'-ester with 5,6-dimethyl-1-α-D-ribofuranosylbenzimidazole; cobinamide dihydrogen phosphate (ester)-mono(inner salt), 3'-ester with 5,6-dimethyl-1-α-D-ribofuranosyl-1*H*-benzimidazole; *Co*α-[α-(5,6-dimethylbenzimidazolyl)]-*Co*β-hydroxocobamide; CAS Reg. No. 13422-51-0 (anhydrous). Cobinamide dihydroxide monohydrate, dihydrogen phosphate (ester), mono(inner salt), 3'-ester with 5,6-dimethyl-1-α-D-ribofuranosylbenzimidazole; cobinamide dihydroxide monohydrate, dihydrogen phosphate (ester), mono(inner salt) 3'-ester with 5,6-dimethyl-1-α-D-ribofuranosyl-1*H*-benzimidazole; *Co*α-[α-(5,6-dimethylbenzimidazolyl)]-*Co*β-hydroxocobamide monohydrate; CAS Reg. No. 13422-52-1 (monohydrate).

$\tilde{\text{G}}\tilde{\text{E}}\tilde{\text{A}}\tilde{\text{A}}\tilde{\text{a}}\tilde{\text{B}}_{12\text{b}}$   $\tilde{\text{k}}\tilde{\text{n}}\tilde{\text{A}}\tilde{\text{Q}}\tilde{\text{E}}\tilde{\text{z}}\tilde{\text{s}}\tilde{\text{U}}\tilde{\text{a}}\tilde{\text{N}}\tilde{\text{j}}\tilde{\text{Y}}\tilde{\text{O}}\tilde{\text{a}}$   $\tilde{\text{k}}\tilde{\text{n}}\tilde{\text{F}}\tilde{\text{A}}\tilde{\text{z}}\tilde{\text{z}}\tilde{\text{O}}\tilde{\text{z}}\tilde{\text{E}}\tilde{\text{O}}\tilde{\text{S}}\tilde{\text{O}}\tilde{\text{A}}\tilde{\text{E}}\tilde{\text{T}}\tilde{\text{Y}}\tilde{\text{O}}$   $\tilde{\text{G}}\tilde{\text{E}}\tilde{\text{A}}\tilde{\text{A}}\tilde{\text{a}}\tilde{\text{B}}_{12\text{a}}$   $\tilde{\text{k}}\tilde{\text{n}}\tilde{\text{A}}\tilde{\text{Q}}\tilde{\text{E}}\tilde{\text{z}}\tilde{\text{s}}$  **other name**  $\tilde{\text{A}}\tilde{\text{n}}\tilde{\text{e}}\tilde{\text{a}}\tilde{\text{I}}\tilde{\text{E}}\tilde{\text{r}}\tilde{\text{a}}$   
 $\tilde{\text{U}}\tilde{\text{O}}\tilde{\text{K}}\tilde{\text{A}}\tilde{\text{O}}\tilde{\text{A}}\tilde{\text{E}}\tilde{\text{T}}\tilde{\text{a}}\tilde{\text{k}}\tilde{\text{n}}\tilde{\text{F}}\tilde{\text{A}}\tilde{\text{z}}\tilde{\text{z}}\tilde{\text{O}}\tilde{\text{z}}\tilde{\text{E}}\tilde{\text{O}}\tilde{\text{S}}\tilde{\text{O}}\tilde{\text{A}}\tilde{\text{E}}\tilde{\text{T}}\tilde{\text{Y}}\tilde{\text{O}}$

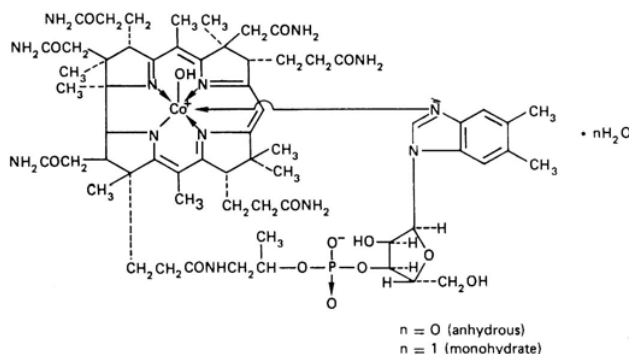
$\tilde{\text{G}}\tilde{\text{H}}\tilde{\text{U}}\tilde{\text{a}}\tilde{\text{A}}\tilde{\text{O}}\tilde{\text{a}}\tilde{\text{C}}\tilde{\text{A}}\tilde{\text{z}}\tilde{\text{U}}\tilde{\text{A}}\tilde{\text{b}}\tilde{\text{U}}\tilde{\text{J}}\tilde{\text{z}}\tilde{\text{V}}\tilde{\text{a}}\tilde{\text{B}}\tilde{\text{O}}\tilde{\text{z}}\tilde{\text{V}}\tilde{\text{a}}\tilde{\text{a}}\tilde{\text{z}}\tilde{\text{H}}\tilde{\text{U}}\tilde{\text{E}}\tilde{\text{N}}\tilde{\text{j}}\tilde{\text{S}}\tilde{\text{U}}\tilde{\text{O}}\tilde{\text{D}}\tilde{\text{A}}\tilde{\text{A}}\tilde{\text{A}}\tilde{\text{b}}\tilde{\text{U}}\tilde{\text{J}}\tilde{\text{z}}\tilde{\text{V}}\tilde{\text{a}}\tilde{\text{g}}\tilde{\text{A}}\tilde{\text{O}}\tilde{\text{z}}\tilde{\text{V}}\tilde{\text{a}}$  **Description**  $\tilde{\text{Z}}\tilde{\text{O}}\tilde{\text{z}}\tilde{\text{O}}\tilde{\text{a}}$







:Graphic formula



:Chemical name

Cobinamide dihydroxide dihydrogen phosphate (ester), mono(inner salt), 3'-ester with 5,6-dimethyl-1- $\alpha$ -D-ribofuranosylbenzimidazole monohydrochloride; cobinamide dihydroxide dihydrogen phosphate (ester), mono(inner salt), 3'-ester with 5,6-dimethyl-1- $\alpha$ -D-ribofuranosyl-1*H*-benzimidazole monohydrochloride; Co $\alpha$ -[ $\alpha$ -(5,6-dimethylbenzimidazolyl)]-Co $\beta$ -hydroxocobamide chloride; CAS Reg. No. 59461-30-2.

Cobinamide dihydroxide dihydrogen phosphate (ester), mono(inner salt), 3'-ester with 5,6-dimethyl-1- $\alpha$ -D-ribofuranosylbenzimidazole sulfate (salt) (2:1); cobinamide dihydroxide dihydrogen phosphate (ester), mono(inner salt), 3'-ester with 5,6-dimethyl-1- $\alpha$ -D-ribofuranosyl-1*H*-benzimidazole sulfate (salt) (2:1); 2(Co $\alpha$ -[ $\alpha$ -(5,6-dimethylbenzimidazolyl)]-Co $\beta$ -hydroxocobamide) sulfate (salt) (2:1).

.Description

.Solubility

.Antianaemia

.Storage

.Labeling

.Additional information

.General requirement

# REQUIREMENTS

.General requirement





2V3 0ZOHV0 04.5 0AL0 g00 TSg0Q00 G0000 00 G0Z00 G000 Z 0G000R0 G0000 00V0 20 G000 0000  
 000000 351 G0000 00T30 G0Z00 0Z00 00 1 G0000 G000 000 00 0Z00 00 00 0000 .00 500 0000 0000  
 18.9 00 19.0 G0000000 G00000 0000000 0C124H180Co2N26O34P2S 00 C62H90ClCoN13O15P 0000 00000  
 .00000 2V3 (A<sup>100</sup><sub>1cm</sub> = 190 or 188) .00000 2V3

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## IPECACUANHAE RADIX

Ipecacuanha root fljP0E 5pY

:Molecular formula G000000 G00000

*Cephaelis ipecacuanha* (Brotero) 000000 0000 00 00000 G0000 K00000 00 00000 000 0000 0000  
 .k3000 Y0 00 000 00 0*Cephaelis acuminata* karsten 000000 0000 00 00 (G00000 G00000) A.Richard  
 .cephaeline k000000000 emetine k00000 00 0000000 000000000

.00000 0000 00 00000 0000 00000 0000000 :Description Z0000

.0000 000000 0000 :Category G0000

.0000 00 0000 00000 G0000 G0000 00000 00 00000 000 0000 000 000 :Storage 000000

000000 0000 00 0000 00000 000 0000 00000 00000 :Additional information G00000 00 000000  
 .20000 00000 00000 000 000 00000 00000 00000 00000 00000 00000 00000 000000

## REQUIREMENTS K00000000

00000000 00 %2.0 00 00 00 00 00000 000 0000 0000 :General requirement 00000 000000  
 .k00000 0000 00 00000 000000

:Macroscopic characteristics G0000000 000000

0000 00 0000 00000 0000 00 0000 0000 :cephaelis ipecacuanha 00000 00000 000  
 0000 00000 00 00000 G000000 00000 0000 00 0000 6 G00000 00 15 00 0000 00000 00000 00000  
 0000 0000 0000 00 00000 00 0000 00000 00000 00000 00000 00000 00000 00000  
 G00000 00000 0000 000000 .0000 0000000 00000 00000 0000 0000000 00000 00000 00000  
 000000 00000 0000 0000 pith 0000 0000 0000 000000 00000 00 0000 000 0000 00000 0000000





cephaelin *κ*ΥΑΑΕΕΩΑ ΑΛΟΖΙΔΟΣΑΕΕΛ ΔΗ ΝΙΝ 65 RS ΚΦΕΧΑ ΑΛΟΖΙΔΟΣΑΕΕΛ ΔΗ ΝΙΝ 5  $\bar{a}$ ΘΑ  $\hat{U}$ C  $\acute{o}$ ζΥΗΤΩ  
gKDzγ ΔΗ ΓΗΕΑΟΩΑ  $\mathfrak{t}$ Αη ΑΕΗΑ .Θ̄η 20  $\acute{o}$ ΑΘ̄Α  $\mathfrak{L}$ Dzγ  $\acute{o}$ Α $\hat{U}$ 3Q R  $\acute{o}$ ζΥΑΖΕΤΑ ΔΗ ΓΕΖΑΘ̄ ΓΕΤΘ̄  $\check{Z}$  hydrochlorid R  
ΔΗ  $\mathfrak{J}$ ΑΑη  $\acute{o}$ ζΥΗη ΓΗΕΑΟΩΑ  $\acute{\alpha}$ Α $\check{\mathfrak{I}}$   $\check{Z}$   $\hat{U}$ Θ̄ΑΘ̄ΑR  $\acute{o}$ ΥΑΕ ΚΔ ΑΕΛΘ̄ΤΑ ΓΗΑΘ̄ ΓΟΘ̄  $\mathfrak{z}$ Θ̄γ  $\acute{o}$ ΑΖΤΑ  $\check{Z}$   $\mathfrak{Z}$ DzΘ̄  $\acute{o}$ ΑΘ̄  $\hat{U}$   $\bar{a}$ Α $\hat{\mathfrak{I}}$ QÈFΑ  
 $\hat{U}$ Ū  $\hat{O}$ ΗΑΛ .ΕΑΕΑ 10 γΑη °γ 60 γΘ̄ΑΓ  $\check{C}$ DZΑΕ ΔΑΕΛΣ  $\hat{U}$ R  $\mathfrak{y}$ Θ̄ΖΣΘ̄Ζ $\hat{O}$ Ω ΔΗ Θ̄η 10  $\check{Z}$  R  $\acute{\alpha}$ ΖΩ ΔΗ  $\check{h}$  0.05  
ΑΤΤΑΣ  $\hat{U}$ ΚΦΕΧΑ  $\mathfrak{Z}$ η ΕΖΑΖΘ̄  $\hat{U}$ Ζ $\hat{U}$ ΕΖΩ Γ $\hat{O}$ ΩΑ  $\check{C}$ ΑΑΕ  $\mathfrak{M}$ Θ̄ΖΤΘ̄ ΑΑΘ̄  $\mathfrak{J}$ ΖΥΑ Γ $\hat{O}$ ΩΗη ΣΑΓΚ  $\hat{U}$ Θ̄ΑΤΑ  $\acute{o}$ Ζ $\check{r}$   $\check{Z}$   $\mathfrak{F}$ Σ $\hat{U}$   $\bar{a}$ Α $\hat{\mathfrak{I}}$ QÈFΑ  
 $\acute{\alpha}$ ΖΥ ΓΗ $\check{\mathfrak{I}}$   $\mathfrak{j}$ Α  $\acute{o}$ Ζ $\check{r}$   $\check{Z}$   $\bar{a}$ Α $\hat{\mathfrak{I}}$ QÈFΑ  $\hat{U}$ Ū  $\hat{O}$ ΗΑΛ  $\acute{o}$ ΑΕΗΑ .*κ*ΥΑΑΕΕΩΑ  $\mathfrak{Z}$ η ΕΖΑΖΘ̄  $\acute{U}$ ΓΑΖ  $\mathfrak{M}$ Θ̄Α  $\mathfrak{J}$ ΖΥΑ Γ $\hat{O}$ ΩΗη ΑΤ $\mathfrak{Q}$   
 $\mathfrak{M}$ Θ̄ΩΚ  $\hat{U}$ ΚΥΑΑΕΕΩΑ  $\mathfrak{Z}$ η Γ $\hat{O}$ ΖΑΖΘ̄ΤΑ  $\check{O}$ ΥΚ  $\hat{U}$ ΑΕΛΑ $\check{\mathfrak{I}}$   $\mathfrak{M}$ ΑΘ̄  $\mathfrak{M}$ Θ̄ΩΚ ΚΦΕΧΑ ΔΗ Γ $\hat{O}$ ΖΑΖΘ̄ΤΑ Γ $\hat{O}$ ΩΤΑ ΑΤΤΑ  $\hat{U}$ (Α $\mathfrak{Q}$ ηΖ $\mathfrak{M}$  365)  $\check{C}$ EDZΕΑΑΓΩ  
Β $\hat{U}$   $\acute{\alpha}$ ΖΗΚ γΑΕ $\mathfrak{Z}$   $\mathfrak{M}$ EDZ gK8Θ̄ Ε $\hat{U}$ ΑΑη  $\hat{U}$ Θ̄Α Β $\hat{U}$  Γ $\check{Z}$ Α $\check{r}$ Ū  $\hat{U}$ A  $\acute{o}$ ΖΥ+Α ΔΗ  $\mathfrak{J}$ ΑΑΩ  $\bar{a}$ Α $\hat{\mathfrak{I}}$ QÈFΑ  $\hat{U}$ Ū ΑΤΤΑ . $\mathfrak{M}$ Θ̄Α  $\mathfrak{M}$ Θ̄Ω $\hat{U}$   
Κ $\mathfrak{Q}$ ΑΩ  $\check{O}$ ΥΚ  $\mathfrak{Z}$ η  $\mathfrak{J}$ Α $\hat{O}$ ΖΑΖΘ̄ Κ $\mathfrak{Q}$ ΥΩ  $\hat{U}$ Ū $\check{Z}$  Κ $\mathfrak{Q}$ Α  $\mathfrak{K}$ Q $\hat{O}$ ΩΗη B  $\acute{o}$ ΖΥ+Α ΔΗ  $\mathfrak{J}$ ΑΑΩ  $\bar{a}$ Α $\hat{\mathfrak{I}}$ QÈFΑ  $\hat{U}$ Ū ΑΤΤΑ .Γ $\check{Z}$ ΑΖΩ  $\check{g}$   $\mathfrak{M}$ Θ̄ΑΖ $\mathfrak{M}$ Ω  
ΓΘ̄ΑΩ *κ*ΥΑΑΕΕΩΑ  $\mathfrak{Z}$ η Γ $\hat{O}$ ΖΑΖΘ̄ΤΑ Γ $\hat{O}$ ΩΤΑ  $\mathfrak{J}$ ΖΘ̄ *U*cephaelis *ip*ecacuanha  $\mathfrak{M}$ Ε $\hat{U}$ ΩΑ ΑΕΛΩ  $\acute{\alpha}$ ΑΘ̄ Γ $\check{G}$ ΕΑΘ̄Α .C  $\acute{o}$ ΖΥ+Α ΔΗ  
*cephaelis*  $\acute{\alpha}$ Α $\mathfrak{Q}$ ΕΤΑ ΑΕΛΩ  $\acute{\alpha}$ ΑΘ̄ Γ $\check{G}$ ΕΑΘ̄Α .C  $\acute{o}$ ΖΥ+Α ΔΗ ΓΘ̄ΑΩ Γ $\hat{O}$ ΖΑΖΘ̄ΤΑ Γ $\hat{O}$ ΩΤΑ ΔΗ Κ $\mathfrak{J}$ Θ̄Α  $\mathfrak{M}$ Θ̄Ω  $\mathfrak{A}$   $\acute{o}$ ΖΥ+Α ΔΗ  
.C  $\acute{o}$ ΖΥ+Α ΔΗ ΓΘ̄ΑΩ  $\check{O}$ ΥΚ  $\mathfrak{Z}$ η γΑ $\hat{\mathfrak{I}}$ ΩΣ ΑΤΤΑ  $\mathfrak{Z}$ ΕΖΤΑ  $\check{Z}$  A  $\acute{o}$ ΖΥ+Α ΔΗ ΓΘ̄ΑΩ Γ $\check{E}$ ΕΑΩ  $\mathfrak{E}$ ŪΑΤΑ ΕΖΑΖΘ̄ *U*acuminata

$\hat{U}$ 1 Α $\check{\mathfrak{I}}$ ΩΑ) "Determination of ash  $\acute{\alpha}$ ΑηΑΩ ΚΕΗΚ"  $\mathfrak{J}$ ΑΖΑ  $\check{K}$ O  $\check{C}$ Ζ $\hat{O}$ Ζη ΖΕ  $\hat{\mathfrak{I}}$ Θ̄  $\acute{o}$ Α $\mathfrak{M}$ DZΑ  $\mathfrak{E}$ Γ $\hat{U}$  :Ash  $\acute{\alpha}$ ΑηΑΩ  
.  $\check{h}$ /η $\check{\mathfrak{I}}$ η 60 Δ3 ΑΛΑ  $\mathfrak{F}$   $\hat{U}$ (173 ΓΗΑΟΩ

$\acute{\alpha}$ ΑηΑΩ ΚΕΗΚ"  $\mathfrak{J}$ ΑΖΑ  $\check{K}$ O  $\mathfrak{Z}$ Ζ $\hat{O}$ Ζη ΖΕ  $\hat{\mathfrak{I}}$ Θ̄  $\acute{o}$ Α $\mathfrak{M}$ DZΑ  $\mathfrak{E}$ Γ $\hat{U}$  :Acid-insoluble ash  $\check{R}$ εΣΑ  $\check{Z}$   $\bar{a}$ Α $\acute{\alpha}$ ΣΑΥΩ  $\acute{\alpha}$ ΑηΑΩ  
.  $\check{h}$ /η $\check{\mathfrak{I}}$ η 30 Δ3 ΑΛΑ  $\mathfrak{F}$   $\hat{U}$ (173 ΓΗΑΟΩ  $\hat{U}$ 1 Α $\check{\mathfrak{I}}$ ΩΑ) "Determination of acid-insoluble ash  $\check{R}$ εΣΑ  $\check{Z}$   $\bar{a}$ Α $\acute{\alpha}$ ΣΑΥΩ  
 $\mathfrak{Z}$   $\hat{\mathfrak{I}}$ Θ̄ .Γ $\check{O}$ ΕΘ̄ Γ $\hat{O}$ Ū  $\hat{O}$ Θ̄Α  $\check{C}$ EDZADZΑ ΓΗΕΑΘ̄  $\mathfrak{z}$ Υ  $\hat{\mathfrak{A}}$ ΙΑΚ  $\check{h}$  200  $\check{C}$ ΑΑΕ  $\mathfrak{J}$ ΑΖΑ :Foreign matter  $\check{G}$ Α $\mathfrak{A}$ 8Ω  $\mathfrak{g}$ Α $\mathfrak{I}$ ΤΑ  
10 Δ3 ΑΛΑ  $\mathfrak{F}$   $\hat{U}$   $\mathfrak{J}$ Α $\check{Z}$ ΚΣ  $\acute{o}$ Θ̄Α ΔΗ  $\hat{O}$ Θ̄ΑΚΣ  $\hat{U}$ (6× lens) γ $\mathfrak{E}$ Θ̄η Γ $\check{E}$ Α $\mathfrak{Z}$   $\mathfrak{y}$ Α $\acute{\alpha}$ Α $\mathfrak{Q}$ ÈΑ  $\mathfrak{S}$ Ū  $\mathfrak{g}$ Α $\mathfrak{A}$ Θ̄Α Κ $\check{H}$ Θ̄Α ΑΤ $\mathfrak{A}$ Θ̄Α  $\check{G}$ Α $\mathfrak{A}$ 8Ω  $\mathfrak{g}$ Α $\mathfrak{I}$ ΤΑ  
.  $\check{h}$ /η $\check{\mathfrak{I}}$ η

$\hat{U}$ Γ $\mathfrak{A}$ DZ  $\check{C}$ ΥDZγ Β $\hat{U}$   $\hat{O}$ Θ̄Α  $\hat{U}$   $\mathfrak{J}$ Α $\mathfrak{M}$   $\hat{O}$ Θ̄Α  $\check{G}$ ΕΖΗΕΤΑ  $\acute{o}$ Α $\mathfrak{Q}$ η $\mathfrak{F}$ Α  $\mathfrak{g}$ Α $\mathfrak{I}$ η ΔΗ  $\check{h}$  7.5  $\check{C}$ ΑΑΕ Γ $\check{E}$ ŪΖΓ $\mathfrak{R}$ η  $\mathfrak{J}$ ΑΖΑ :Assay  $\check{G}$ Ε $\mathfrak{M}$ Θ̄ΤΑ  
 $\acute{o}$ Υ $\check{\mathfrak{N}}$   $\mathfrak{M}$ Θ̄Α $\mathfrak{M}$   $\mathfrak{M}$ Ρ $\check{Z}$   $\hat{U}$ TS ( $\acute{o}$ / $\check{h}$ 100~) Α $\mathfrak{E}$ ΠΖη $\mathfrak{J}$ Α ΔΗ Θ̄η 5 8  $\hat{\mathfrak{A}}$ ΡΛ .ΕΑΕΑ 5 γΑη  $\check{R}$ ΕΣ R Κ $\mathfrak{Q}$   $\mathfrak{j}$ Α ΔΗ Θ̄η 100 8  $\hat{\mathfrak{A}}$ ΡΛΣ  
ΔΗ  $\mathfrak{g}$ Α $\mathfrak{A}$ Ε  $\mathfrak{E}$ 3 Γ $\check{E}$   $\hat{\mathfrak{A}}$ Θ̄Α  $\acute{o}$ Υ $\check{\mathfrak{N}}$  ΔΗ Γ $\mathfrak{A}$ DZ  $\check{C}$ ΥDZγ  $\hat{O}$ η $\acute{\alpha}$  Β $\hat{U}$  Κ $\mathfrak{Q}$   $\mathfrak{j}$ Α Γ $\hat{O}$ Ū  $\mathfrak{J}$ Α $\mathfrak{M}$   $\hat{U}$ γΑ $\hat{\mathfrak{I}}$ Α  $\mathfrak{M}$ Ρ $\check{Z}$ Σ  $\hat{U}$ Θ̄Α  $\hat{U}$ η 5 8  $\hat{\mathfrak{A}}$ ΡΛ  $\hat{U}$ Γ $\mathfrak{A}$ Ε 1  
 $\mathfrak{L}$ Ε  $\hat{O}$   $\check{C}$ Π $\mathfrak{A}$ Ū  $\mathfrak{Z}$ η  $\hat{U}$ R Κ $\mathfrak{Q}$   $\mathfrak{j}$ Α ΔΗ Θ̄η 25  $\hat{\mathfrak{A}}$ ΤΑη  $\hat{O}$   $\mathfrak{K}$ QΑ  $\mathfrak{K}$ Q $\mathfrak{E}$ Θ̄Α  $\check{G}$ Α $\mathfrak{I}$ ΤΩΑ  $\hat{O}$ Ε8Κ .adsorbent cotton  $\hat{\mathfrak{A}}$ Q $\mathfrak{E}$ ΤΑ Δ $\hat{U}$ Θ̄Α  
Κ $\mathfrak{Q}$   $\mathfrak{j}$ ΑΣ Κ $\hat{U}$ Θ̄Q $\mathfrak{A}$   $\check{G}$ ΑΚ $\mathfrak{Q}$   $\mathfrak{j}$ Α  $\check{g}$ Α $\hat{O}$ Υ $\mathfrak{I}$ Α  $\mathfrak{t}$ Ζ $\mathfrak{t}$   $\mathfrak{F}$  ΔΗ ΑΕΛΘ̄ΤΑ  $\mathfrak{L}$ Τ $\mathfrak{H}$ η  $\mathfrak{t}$ ΑΘ̄Α . $\hat{\mathfrak{A}}$ Q $\mathfrak{E}$ ΤΑ Δ $\hat{U}$ Θ̄Α ΔΗ ΑΤΕΑ  $\mathfrak{g}$ Α $\mathfrak{A}$ ΕΩΑ  $\mathfrak{E}$ 3 Γ $\check{E}$   $\hat{\mathfrak{A}}$ Θ̄ΑΣ  
( $\acute{o}$ / $\check{h}$ 710~)  $\acute{o}$ Ζ $\mathfrak{M}$ ΑΖΑ ΔΗ Θ̄η 5  $\check{Z}$   $\check{G}$ Α $\mathfrak{I}$ ΤΩΑ  $\bar{a}$ Θ̄Κ . $\check{C}$ ΥDZΣΑ  $\hat{O}$ η $\acute{\alpha}$   $\mathfrak{N}$ ΑΑΛ Β $\hat{O}$ ΩΑ  $\acute{o}$ ΑΖΤΑ ΔΗ  $\acute{o}$ Α $\mathfrak{E}$ QΑ ΓΑΕ $\hat{U}$ ΥΩ ΓΑΖ $\mathfrak{Q}$ Α  $\mathfrak{M}$ Θ̄Q $\mathfrak{A}$   
 $\check{R}$   $\mathfrak{F}$  ΔΗ Θ̄η 15 8  $\hat{\mathfrak{A}}$ ΡΛ  $\hat{U}$ Θ̄Αη  $\mathfrak{y}$ Α $\mathfrak{F}$   $\check{Z}$  ΚΑΕ $\hat{O}$ Ω  $\check{G}$ Ū $\acute{\alpha}$ Ζ previously neutralized  $\mathfrak{M}$ Α $\mathfrak{Q}$ Ū  $\acute{o}$ Α $\mathfrak{E}$ Q $\mathfrak{E}$ ΤΑ TS  
 $\hat{U}$ vs ( $\acute{o}$ / $\acute{o}$ ηη 0.1)  $\mathfrak{y}$ Ζ $\mathfrak{A}$ Ζ $\hat{O}$ Ω ΑΕΕ $\check{E}$ ΔΟΣΑΕΕΛ  $\acute{o}$ ΖΥΗη  $\check{R}$ εΣΑ ΔΗ  $\mathfrak{g}$ Α $\mathfrak{A}$ Ω  $\mathfrak{A}$ Λ $\mathfrak{H}$ Κ vs ( $\acute{o}$ / $\acute{o}$ ηη 0.1)  $\hat{O}$ ΛΟΖΙΔΟΣΑΕΕΤΑ

0.1)  $\bar{O}l\acute{o}z\bar{i}\bar{o}s\acute{o}AET\bar{a}$   $\bar{R}\bar{e}\beta$   $\bar{O}\eta$  1  $\bar{O}\bar{o}$  .TS  $\bar{y}z\bar{E}A\bar{e}qz\bar{E}\bar{o}$   $\bar{O}\bar{E}\bar{y}\bar{E}t\bar{a}$   $\bar{A}l\acute{o}z\bar{i}\bar{o}/\bar{O}\bar{E}\bar{y}\bar{E}t\bar{a}$   $g\bar{A}t\bar{g}$   $\bar{A}\bar{H}\bar{I}t\bar{a}$   $\bar{O}\eta$  0.5  $\bar{y}\bar{a}\bar{A}\bar{A}q\bar{e}\bar{A}\bar{a}$   
 $\cdot k\bar{O}\bar{E}zq\bar{a}$   $\bar{a}\bar{A}\bar{e}\bar{i}$   $\bar{a}\bar{i}\bar{z}$   $\bar{G}\bar{a}z\bar{E}T$   $\bar{U}\bar{G}\bar{E}Y\bar{O}\bar{o}\bar{a}$   $\bar{g}\bar{A}\bar{e}q\bar{a}z\bar{y}\bar{O}\bar{o}\bar{a}$   $\bar{O}\eta$   $\eta\bar{i}\eta$  24.03  $\bar{o}z\bar{A}\bar{O}l$  vs ( $\bar{o}/\bar{o}z\eta$   
 $\emptyset\emptyset\emptyset\emptyset\emptyset$

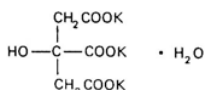
## KALII CITRAS

**Potassium Citrate**  $\bar{N}\bar{j}\bar{i}z\bar{F}\bar{E}\bar{N}\bar{j}\bar{G}\bar{I}\bar{E}$   $\bar{l}\bar{e}\beta\bar{H}z$

$C_6H_5K_3O_7 \cdot H_2O$  :Molecular formula  $\bar{G}\bar{E}\bar{A}\bar{A}z\bar{a}$   $\bar{G}\bar{8}\bar{E}\bar{O}\bar{o}\bar{a}$

324.4 :Relative molecular mass  $\bar{G}\bar{E}\bar{G}\bar{E}A\bar{o}\bar{a}$   $\bar{G}\bar{E}\bar{A}\bar{A}z\bar{a}$   $\bar{G}\bar{Y}q\bar{O}\bar{o}\bar{a}$

:Graphic formula  $\bar{G}\bar{E}q\bar{A}\bar{E}G\bar{t}\bar{a}$   $\bar{G}\bar{8}\bar{E}\bar{O}\bar{o}\bar{a}$



:Chemical name  $\bar{U}\bar{a}\bar{A}\bar{E}t\bar{E}\bar{O}\bar{o}\bar{a}$   $\bar{l}\bar{e}\bar{r}\bar{a}$

Tripotassium citrate monohydrate; tripotassium 2-hydroxy-1,2,3-propanetricarboxylate monohydrate; CAS Reg. No. 6100-05-6 (monohydrate).

$\bar{G}\bar{H}u\bar{a}\bar{A}\bar{o}\bar{a}$   $\bar{C}\bar{A}z$   $\bar{U}\bar{R}\bar{E}\bar{a}\bar{i}$   $\bar{j}z\bar{V}\bar{a}$   $\bar{U}\bar{o}\bar{G}\bar{E}G$   $\bar{a}z\bar{H}u\bar{E}\eta$   $\bar{s}\bar{i}$   $\bar{G}z\bar{A}\bar{A}\bar{i}$   $\bar{g}\bar{a}\bar{o}z\bar{V}\bar{a}$  :Description  $\bar{Z}\bar{o}z\bar{o}\bar{a}$

$\bar{M}\bar{E}Y\bar{t}z$  TS ( $\bar{o}/\bar{h}750\sim$ )  $\bar{o}zq\bar{A}\bar{z}\bar{i}q\bar{a}$   $\bar{Z}$   $\bar{j}\bar{A}\bar{a}\bar{s}\bar{O}\bar{o}\bar{a}$   $\bar{C}\bar{A}z$   $\bar{U}\bar{o}\bar{A}t\bar{a}$   $\bar{Z}$   $\bar{j}\bar{A}\bar{a}\bar{s}\bar{O}\bar{o}\bar{a}$   $\bar{A}\bar{g}$  :Solubility  $\bar{G}\bar{E}q\bar{A}\bar{a}\bar{s}\bar{O}\bar{o}\bar{a}$

$\bar{R}\bar{A}z\bar{H}\bar{k}$   $\bar{G}\bar{i}\eta$   $\bar{G}\bar{D}Z\bar{A}\eta\bar{i}$   $\bar{g}\bar{A}qz\bar{O}\eta$   $\bar{O}\eta$   $\bar{M}\bar{q}z\bar{O}\eta$   $\bar{A}\bar{E}\bar{H}\bar{s}$   $\bar{U}\bar{s}ystemic$  ( $\bar{G}\bar{l}\bar{a}\bar{A}\bar{H}T\bar{D}Z$ )  $\bar{G}\bar{E}z\bar{z}t\bar{f}$   $\bar{G}\bar{q}z\bar{Y}\bar{O}\eta$   $\bar{g}\bar{a}\bar{A}\eta$  :Category  $\bar{G}\bar{A}\bar{A}\bar{o}\bar{a}$

.rehydration salt  $\bar{o}\bar{A}T\eta\bar{R}\bar{i}$   $\bar{O}\bar{a}z\bar{E}\bar{o}\bar{a}$

$\bar{y}\bar{A}\bar{O}\bar{g}\bar{u}\bar{a}$   $\bar{G}\bar{O}\bar{Y}\bar{8}\eta$   $\bar{G}\bar{l}\bar{s}\bar{A}\bar{g}$   $\bar{Z}$   $\bar{y}z\bar{E}\bar{e}\bar{A}\bar{k}z\bar{G}\bar{o}\bar{a}$   $\bar{g}\bar{a}\bar{A}q\bar{E}\bar{e}$   $\bar{S}\bar{A}\bar{g}$   $\bar{A}\bar{E}z$  :Storage  $\bar{O}\bar{l}\bar{A}\bar{A}\bar{Q}\bar{o}\bar{a}$

$\bar{O}\bar{A}\bar{H}\bar{k}$   $\bar{A}\eta\bar{E}\bar{A}z$  deliquescent  $\bar{G}z\bar{z}\bar{E}\eta$   $\bar{g}\bar{a}\bar{A}\eta$   $\bar{y}z\bar{E}\bar{e}\bar{A}\bar{k}z\bar{G}\bar{o}\bar{a}$   $\bar{g}\bar{a}\bar{A}q\bar{E}\bar{e}$   $\bar{H}\bar{E}\bar{H}\bar{k}$  :Additional information  $\bar{G}\bar{E}z\bar{A}\bar{i}\bar{r}$   $\bar{U}$   $\bar{g}\bar{A}\eta z\bar{Y}\bar{H}\eta$

$\bar{A}\bar{E}\bar{u}\bar{A}\bar{o}\bar{a}$   $\bar{o}\bar{a}zT\bar{Y}\bar{o}$

## REQUIREMENTS $\bar{K}\bar{C}h\bar{u}\bar{i}\bar{O}\bar{S}\bar{K}\bar{a}\bar{z}\bar{i}\bar{f}$

$\bar{O}z$   $\bar{a}\bar{s}\bar{O}\bar{k}$   $\bar{r}$  %99.0  $\bar{O}z$   $\bar{O}\bar{O}l$   $\bar{r}$   $\bar{A}\eta$   $\bar{a}\bar{i}\bar{z}$   $\bar{y}z\bar{E}\bar{e}\bar{A}\bar{k}z\bar{G}\bar{o}\bar{a}$   $\bar{g}\bar{a}\bar{A}q\bar{E}\bar{e}$   $\bar{B}z\bar{Q}\bar{O}$  :General requirement  $\bar{y}\bar{A}\bar{H}\bar{o}\bar{a}$   $\bar{A}\bar{E}Y\bar{U}q\bar{a}$

$\bar{G}\bar{E}a\bar{A}\eta\bar{Y}\bar{o}\bar{a}$   $\bar{g}\bar{a}\bar{A}t\bar{a}$   $\bar{B}\bar{U}$   $\bar{t}z\bar{D}Z\bar{A}\bar{o}\bar{A}\bar{a}$   $\bar{G}\bar{a}z\bar{E}T$   $\bar{U}C_6H_5K_3O_7$   $\bar{O}\eta$  %101.0

## Identity tests

ƘƆ 8zòzŋ zĒ ƙō ɔ́ɔ̀ŋfā ɔ̀zŲƳ ƘŔHŋ ĥ 1.0 yĒÁQĒ :**Heavy meatal** ĠYĒŌjōā (ğ āĀVāā) jĀĀĤj  
 Ū1 ÁYŌā) 1 ɔ́āĀZqā ĒĒW Ū"Limit test for heavy metals ĠYĒŌjōā (ğ āĀVāā) jĀĀĤj ŌDZj BĒΣā ɔ́ɔ̀ŋfā"jĀZj  
 .ĥ/yĀdŋĀŌŋ 10 ɔ3 ÁĀĀ Ƒ Ū(128 ĠHĀŌā Ū1 ÁYŌā) A ĠŌĀŌā ĒĒW ĠYĒŌjōā jĀĀĤj ƳzŲƳ ɔ́Ĥ Ū(127 ĠHĀŌā  
 gĒŋ ázŌĀVō ŌĀQĀ Ūpotassium antimonate TS Ōŋ 6 8ĀŔĀ Ūŏŋ Ōŋ 10 Ž ĥ 1 āŌŌ :**Sodium** yzĀáZŌā  
 .TS2 yzĒ8Vō BŌĤĤj ɔ̀zŲjā yzĒq ɔ́ŋ ġgžrēš ĀjŌŲ yzĒ8ā ɔz jzŌĕ Ƒ šŲ ĤzĀŌ jĀĀā ɔ̀zŲjā jzŌĀ ŪĠŋēā 15  
 ŌŋzŲŌšŌĒTā ŔŲ ɔ̀zŲƳ ɔ́ŋ Ōŋ 4 Ž ĥ 1 āŌŌ :**Oxalates and tartrates** ġĀŪĀŪŌāš ġƑĒĒŌš  
 ŪTS (ŏ/ĥ55) yzĒĒĀŌā ÁŋzŲŌ ɔ̀zŲƳ ɔ́ŋ Ōŋ 1.0š TS (ŏ/ĥ750~) ɔ̀zŲjā ɔ́ŋ Ōŋ 4 8ĀŔĀš ŪTS (ŏ/ĥ70~)  
 .ĠzĒ 1 gĒŋ ɔ̀Yŋ ɔ́ŋQŋ Ƙd ɔ̀zŲjā ƳŌŋ

B̂Āĭā ōĀĭā dŋ Ōŋ 10 Ž ĥ 1.0 ĀĭōĀqā ōzĭ+ā JzŌĀ :Clarity and colour of solution ōzĭ+ā Jzōs ōĀĀō  
 .Jzŷōō CĒ3s ŹĹĀō R JzāĀōōā ĒĒĒōŌ ŪĀĀq dŋ

ḲḶḺṖ Ṛḽ ḥḷ Ṗḣ 10 Ḑ ḥ 0.20 ā ḴṖ :Readily carbonized substances ḡḶḺḠ ḶḤḶḻṖ ḢḶḺḠ āāzṭ  
 ḂḵṖ ḵ ḵḶḺḠ ṓzṫ+Ḷ JṖṖ JṖḶḦ ṪḒḶḔ 1 ḡḶḺ ṙ 90-80 ḡḶḺ ḒḐḶḔ ḤḶḺ ṙḶḽ Ḑ ḐḶḔḶ TS (ṓ/ḥ1760~)  
 Colour ṖḶḒḔḶ JṖṖ" JḶḒḶ ḲṖ ḰzṖḑḶ zḶ ḶṖḐ JṖḶḺ ḧḶḔḶ GḶ6 ḡṖ Yw5 ḴṖḶḤṖṖ ḐṖḶḔḶ JṖṖḶ ḥḷ ḡḶḺ  
 .(53 ḢḶḺḠ Ṗ1 ḶṖṖ)" of liquids

Determination of water by Karl Fischer method: Water content in the sample was determined by Karl Fischer method. The Karl Fischer method is a chemical reaction between water and a reagent (Karl Fischer reagent) to form a stable complex. The reaction is as follows:

$$H_2O + C_6H_5I + C_6H_5MgBr \rightarrow C_6H_5MgOH + C_6H_5I + H_2O$$

The reaction is reversible, and the equilibrium constant is 1. The reaction is used to determine the water content in a sample. The Karl Fischer method is a standard method for determining water content in organic compounds.





$\text{J} \approx 0.2 \text{ GPa}$   $\text{Z} \approx 0.2 \text{ GPa}$  **Ethynyl group**  $\text{O} \approx 0.2 \text{ GPa}$   
 $\text{U} \approx 0.1$   $\text{Y} \approx 0.1$   $\text{TS} \approx 0.1$   $\text{R} \approx 0.1$   
 $\text{BzZ}$   $\text{B} \approx 0.1$   $\text{calomel electrode}$   $\text{P} \approx 0.1$   $\text{P} \approx 0.1$   $\text{a} \approx 0.1$   $\text{G} \approx 0.1$   $\text{G} \approx 0.1$   
 $\text{O} \approx 0.1$   $\text{O} \approx 0.1$   $\text{G} \approx 0.1$   $\text{P} \approx 0.1$   $\text{J} \approx 0.1$   $\text{electrolyte}$   $\text{O} \approx 0.1$   $\text{Y} \approx 0.1$   $\text{G} \approx 0.1$   
 $\text{G} \approx 0.1$   $\text{P} \approx 0.1$   $\text{U} \approx 0.1$   $\text{CH} \approx 0.1$   $\text{P} \approx 0.1$   $\text{O} \approx 0.1$   $\text{Y} \approx 0.1$   $\text{G} \approx 0.1$

$\text{O} \approx 0.1$   $\text{D} \approx 0.1$   $\text{R} \approx 0.1$   $\text{O} \approx 0.1$   $\text{Z} \approx 0.1$   $\text{O} \approx 0.1$   $\text{O} \approx 0.1$   $\text{O} \approx 0.1$   
 $\text{I} \approx 0.1$   $\text{G} \approx 0.1$   $\text{O} \approx 0.1$   $\text{I} \approx 0.1$   $\text{A} \approx 0.1$   $\text{O} \approx 0.1$   $\text{O} \approx 0.1$   $\text{O} \approx 0.1$   
 $\text{Z} \approx 0.1$   $\text{O} \approx 0.1$   $\text{Z} \approx 0.1$   $\text{O} \approx 0.1$   $\text{O} \approx 0.1$   $\text{O} \approx 0.1$   $\text{O} \approx 0.1$   
 $\text{O} \approx 0.1$   $\text{O} \approx 0.1$   $\text{O} \approx 0.1$   $\text{O} \approx 0.1$   $\text{O} \approx 0.1$   $\text{O} \approx 0.1$   $\text{O} \approx 0.1$

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## LEVOTHYROXINUM NATRICUM

**Levothyroxin sodium**  $\text{D} \approx 0.1$   $\text{N} \approx 0.1$   $\text{N} \approx 0.1$   $\text{T} \approx 0.1$

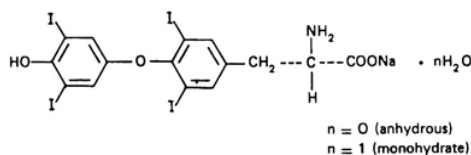
**Molecular formula**  $\text{G} \approx 0.1$   $\text{G} \approx 0.1$

( $\text{G} \approx 0.1$   $\text{B} \approx 0.1$ );  $\text{C}_{15}\text{H}_{10}\text{I}_4\text{NNaO}_4 \cdot \text{H}_2\text{O}$  (monohydrate)  $\text{C}_{15}\text{H}_{10}\text{I}_4\text{NNaO}_4$  (anhydrous)

**Relative molecular mass**  $\text{G} \approx 0.1$   $\text{G} \approx 0.1$   $\text{G} \approx 0.1$

( $\text{G} \approx 0.1$   $\text{B} \approx 0.1$ ); 816.9 (monohydrate)  $\text{C}_{15}\text{H}_{10}\text{I}_4\text{NNaO}_4$  (anhydrous)

**Graphic formula**  $\text{G} \approx 0.1$   $\text{G} \approx 0.1$



**Chemical name**  $\text{U}_{\text{AEtEO}} \text{ l}^{\text{r}} \text{a}$

Monosodium L-thyroxine; monosodium *O*-(4-hydroxy-3,5-diiodophenyl)-3,5-diiodo-L-tyrosine; 3-[4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl]-L-alanine monosodium salt; CAS Reg. No. 55-03-8 (anhydrous); Monosodium L-thyroxine monohydrate; monosodium *O*-(4-hydroxy-3,5-diiodophenyl)-3,5-diiodo-L-tyrosine monohydrate; 3-[4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl]-L-alanine monosodium salt monohydrate; CAS Reg. No. 31178-59-3 (monohydrate).

.Thyroxin sodium kÊõŒKjõä yzłáz ò :Other name Àñēā lërā

jzŷŋ Bóŷŷä äzHuÊŋ sŷ ŮZĚÄŋ ÖÖÎä jzŷŋ sŷ ůGAÄÖŷ ÑĚŷ jzŷä jzŷŋ äzHuÊŋ :Description Zòzöä  
 .ĜHuäÄöä ČĚ3 ŮZĚÄŋ ÖÖÎä

āīśā Kđ ŪTs (ò/h750~) òzṗāžlqā Ž jĥāsóōā ĠEHUì Üöhtā Ž āēDZ jĥāsóōā ĠEHUì :Solubility Ġēphāsóōā  
 .ĠazYŌōā ḡāēEōšōāēTā ŌēBĀT Ž āšŌ .R Kō+ā Ž rş R yōzszōz'Ōōā Ž rş R JzQējā Ž ēēYt₃

.thyroid hormone Ḡl̥eṑÁēōā JzṗÄL :Category ḠÄÄōā

.ǝžRōā dŋ ĞĕŁT ŪÿÁÓğŭă GÖİ8ŋ ĞšĀğ Ž kÊõşKöžÄÿvōā yžłázò ŞĀğ Æz :Storage dĹĀĀQōā

Additional information

.hygroscopic ĠĠŮĀĠĠĠ ġāĠĠ ĤāĠĠŸŮŮ kĠĤŮŖĠĠĠĠ ŸĠĠĠŮ ĠĠĠ Ůcrystalization ōĠŸĠŮŮ ōĠĠ

## REQUIREMENTS

**General requirement**

ГЛАВА 1. ОБЩЕЕ СООБЩЕНИЕ

## Identity tests

UDzÊÄÄÊ BÜ UøÄÊ Jzö jQAA ÜöZÿ+ä üzÄÄs TS (ò/ñ130~) ÖÄÄQqää Rëp dñ Öñ 2.0 Ž ññ 5 ä äÖÄ :A

ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ

Özdeşlikler:  $\bar{R} \approx 0.2$  GÅ,  $\bar{\Omega} \approx 2.0$  mÅ,  $\bar{Z} \approx 5$  Å,  $\bar{a} \approx 10$  Å.

G0Leá 15 gÁn 0áÁ0èY0 0Á0L TS (ò/ñ 10) yzΛáz0ää KΛÁ0p ózY 0n 0n 0.25 GáÁe 8ÁRŁs ÚTS (ò/ñ70~)

ГҮӨЛ 2009 (0/100~) АНГЛИС 81.1.5 айн .ААДҮ ЖЭД ЖАЛ УУСАН ҮЯР З ӨӨЛӨ 3-2 гҮН ДААН СҮ

.Äßjā БЪ JzYōā ōÉQΛ ÜΛΛzYē ōzY†ā

**Liothyronine**



ÛÛÛ Ž ĞĖĖĖĖĖ ĞĦĦĦĦ 3η 1DzΣās JzŸōās 3εztā Ž A ōzŸ+ā dñ jĳĳĳā āāĪĪĪĪĪ ÛÛÛ Ž ĞĖĖĖĖĖ ĞĦĦĦĦ  
 .B ƲĤDZĀtā ōzŸ+ā dñ jĳĳĳā āāĪĪĪĪĪ  
 General ĞŋĤĤā 8āĤĤĪĪĪ ġāĤĤĪĪĪ" jāzĳ KŲ 8zðzŋ zĻ Ātō ŸzĻázŌōā ŌDzj ŌĤĤĤ ĤŋĤĤ :D  
 zĻ ŸĤĤĤĤĤ ŌzĤĤĤā jĤō āēŸ .gĤĤtā ġŸzĤĤĤ ƲŪĤĤ ĞŸz Ū(123 ĞĤĤĤ Ū1 ĤŸŌā) "identification tests  
 .TS (ō/ĥ60~) ŌŲĪĪĪ ĤĤ Ĥ Ž ĞĤĤĤā āāŌĤŋ ŋŋ 20 (ŌŸĪĪ) ĤŋĤĤ ŪB ŌzĤĤĤā  
 dñ jĳŌŋ ZŪŸ ƲŸ8Ī jĻĤŋ dñ Ōŋ 22 Ž ĥ 0.5 āāŌĪ :Specific optical rotation ƲzĤĤā BĀŌĤā ĤŋĤĤ  
 25 BŪ ZĤĤĤ āĤĪ .TS (ō/ĥ750~) ōzŲĤĤā dñ ŸzDzġ 4s vs (ō/ōzŋ 1) ŌŲzŸŌŲĤĤā ĤĤ dñ ĤĤDzġ 1  
 .[a]<sub>D</sub><sup>20°C</sup> = +16.0 to +20.0° ŪĞĤĤā ġĤĤā BŪ tĳDZĤĤā ĤĤĤ .ĤĤĤ ĤĤŌĤā jĻĤŋ Ōŋ  
 60 dñ ŌŲĪ ĤĤĤ Ʋ ŪŸ 105 ġŲĤĤ ĞDŲĤĤā KĤĤĤā jāzŲā ƲŲŲĤ ZĤZ :loss on drying ZĤDzŲĤā ĤĤĤā  
 .ĥ/ŋŋ 120 dñ ĤĤŌĪ Ʋs ĥ/ŋŋ  
 Thin- ĞŲĤĤā ĞŲŲĤā āāĪĪĪĪĪ" jāzĳ KŲ 8zðzŋ zĻ Ātō ŲĤĤĤā ƲĞŪĪ :Liothyronine kŲsKŲzŲĤā  
 R3 ĤŲŲĤĤā ĞŋŸĻ dñ ĥ 30 dñ jĻĤŋ ĞĤŲŋ ĞĤĤā ŸĤĤĤĤā Ū(84 ĞĤĤĤ Ū1 ĤŸŌā) "layer chromatography  
 .kĤĤĤ jŲā ŪġĤĤĤ ĞĤĤĤā ŌĤĤĤĤ .Ųŋ Ōŋ 100 Ž RĤĪĤā ōzŲĤ dñ ĥ 0.75 BzZ ōzŲĤ dñ Ōŋ 60s  
 ŪR ōzŲĤā -2 dñ ĤĤDzġ 35 ŪTS (ō/ĥ260~) ĤŲzŋĪā dñ ĤĤDzġ 20 dñ jĻĤŋ ŸĤĤĤĤā ŲĤŲĤā ŲzŲŲō ĞĤĤā  
 5 BŪ 8ĤĤĪ :BĤĤā ĤĤŲĤā jĻĤŋ ĤĤZ ŪĞĤDZĤā ŲĤĤā āāĤĤā KĤĤĤā ĞĤĤā .R ŲĤĤā ġĤŲĤĪ dñ ĤĤDzġ 55s  
 ĥ 0.10 āāŌĪ ŪA ōzŲĤĤā ĞĤĤā .ŽĤĤ R ōzŲĤĤā dñ ĤĤDzġ 70 ŲĤĤā TS (ō/ĥ260~) ĤŲzŋĪā dñ ŸzDzġ  
 ĤĤŲĤā jĻĤŋ ōzŸ+ā ŲŲĻ dñ Ōŋ 1.0 ZĤĤ ŲĤĤā ŪĤĤā ōzŸ+ā dñ Ōŋ 5 ŽĤŲĤ ĤĤŲĤā jĻĤŋ Ž ŲĤĤĤā ġĤŋ dñ  
 kĤŲŲĤĤā ŸzĻázŲō dñ ŋŋ 50 āāŌĪ ŪB ōzŲĤĤā ĞĤĤā .ZĤĤā ōzŸ+ā dñ Ōŋ 2.0 ŽĤŲĤ ĤĤĤ  
 RS kŲsKŲzŲĤā dñ ŋŋ 5 āāŌĪ ŪC ōzŲĤĤā ĞĤĤā .Ōŋ 5 ŽĤŲĤ ōzŲĤĤā/ĤŲzŋĪā ĤĤŲĤā jĻĤŋ Ž liothronine RS  
 ōzŸ+ā ŲŲĻ dñ Ōŋ 1.0 ZĤĤ ŲĤĤā ŪĤĤā ōzŸ+ā dñ Ōŋ 25 ŽĤŲĤ ōzŲĤĤā/ĤŲzŋĪā ĤĤŲĤā jĻĤŋ Ž liothronine  
 3η A ĤĤĤā ōzŸ+ā dñ Ōŋ 1.0 ŽĤĤ ŪD ōzŲĤĤā ĞĤĤā .ZĤĤā ōzŸ+ā dñ Ōŋ 2.0 ŽĤŲĤ ĤĤĤ ĤĤŲĤā jĻĤŋ  
 ōzŸ+ā ŪB ōzŸ+ā ŪA ōzŸ+ā dñ ŌŲ dñ ĤŲŲĤŌŋ 5 ĞĤĤĤā ƲŲ ƲŲĤĤ ƲĞŪĪ .C ĤĤĤā ōzŸ+ā dñ Ōŋ 1.0  
 ferric ōzŲĤĤā āĤŲ ŪŲzŲā Ž ZDzŲō ŲĤĤā ŪāĪĪĪĪĪ ġKDzġ dñ ĞĤĤĤā tĤĤ ĤĤā .D ōzŸ+ā ŪC ZĤĤā  
 ƲzĲĲ ĞĤĤā ĞŪ jzŲĲ Ʋ .ŲĤĤā ōzŲ Ž āāĪĪĪĪĪ ÛÛÛ ŲĤĤĤ Ūchloride/ferricyanide/arsenite TS  
 .C ōzŸ+ā dñ jĳĳĳā āāĪĪĪĪĪ ÛÛÛ Ž ĞĤĤā dñ ġĤĪ ĤĤŲĪ A ōzŸ+ā dñ jĳĳĳā āāĪĪĪĪĪ ÛÛÛ Ž kŲsKŲzŲĤā  
 .ŸĤĲ dzzŲzā kŲŲĤĤ kŲĤā kŲĤā D ōzŸ+ā dñ jĳĳĳā āāĪĪĪĪĪ ÛÛÛ ĤŲĤĤ BĤŋ ĤĤĤĤ ŲĤĤĤā jzŲĪ Ʋs  
 ŲĤĤā ĤĤ dñ Ōŋ 0.05 ĞĤĤā BzZ Ųŋ Ōŋ 10 3η ŋŋ 10 ƲĤĤ :Soluble halides ĞĤŲĤā ġĤĤĤā



.óÀTÈRò áÁRñ òáśá :Category ĞĀĀōā

.ĤĒEDZ ĞŌY8ñ ĞĤśĀğ Ž ĒĒñĤKāzYōā ĒŁōzYōśóĒĒŁ ŚĀğ Ēz :Storage dĤĀĀQōā

# REQUIREMENTS KĤuĤŌKĤz!f

ĒĤĀĤ Ĥś %98.0 d3 ŌŌĤ Ĥ Ĥñ 2Y3 ĒĒñĤKāzYōā ĒŁōzYōśóĒĒŁ BzU3 :General requirement yĀĤōā ĒYŪQŷā

.ĞĀĀŌā gĀĤĵ BŪ tZDZĀōĀ ĞāzĒT ŪC<sub>29</sub>H<sub>33</sub>ClN<sub>2</sub>O<sub>2</sub>,HCl dñ %102.0 d3

:Identity tests ĤŪNŷNŪĒ l ĒĤFGĤQĒ

.Dś Cś B ġŵĀQŵñĤā śŪ Dś A dĤĀQŵñĤā Ĥñ ĒĒĤ dŌŷ •

ōāĀŁŚā ĤŌ ĞĤĭĵā ĞŌŪĤñ Ž ĤāzRōā ZĒŪōā āĤē" jĀzĤ3 ĤŌ 8zōzñ zĒ Ĥŵ ŌĤōā ĒĜŪĤ :A

ĤŌ ĞĤĭĵā Ž Ĥ ĤŌQŵñĤā ZĒŪ ĒĀĤŪĤ .(43 ĞĤĀŌōā Ū1 ĒYŌā) "Spectrophotometry in the infrared region

ĒŁōzYōśóĒĒŁ *reference spectrum* ĤĤDZĀĵ ZĒŪōā 3ñ śŪ RS ĒĒñĤKāzYōā ĒŁōzYōśóĒĒŁ dñ jĤĀōā ZĒŪōā 3ñ ōāĀŁŚā

.ĒĒñĤKāzYōā

dñ Ōñ 50 ĞāĀē Ž āāŌĤ ŪĤĤDzğ ĞDZŌĒñ Ōñ 100 ĤDŪ ĞYDZzğ BŪ ŪĒŪzĜRñ Ğŷāzñ ŪĤ 0.04 ĞāĀē ŌŌĤ :B

ĒĤŪĵā Ōñ 100 2Ōŷg ZĀŷ vs (ó/ózñ 0.1) ŌŁōzYōśóĒĒŁ RĤ dñ Ōñ 10 8ĤĤ ŪR ōzŵĤāā-2

ĒĒĤĤĤ ĤñĒĤ ŪĒĒĤ ĒĤŪĵā jĤĤñ 2Y3 ĞĤśĀŚā ĒĤŪĵā ġKDzğ ŌāĤŌñ ōzYĤā ōŌT Ĥ ĤŌQŵñĤā ZĒŪ jŪ .R ōzŵĤāā-2

ĒĒñĤKāzYōā ĒŁōzYōśóĒĒŁ ōzYĤ Ĥ ĤŌQŵñĤā ZĒŪ 3ñ ĤĤŵ ĒĀĤŪĤ ŪĤQŷŵĤ 350ś ĤQŷŵĤ 230 Ĥā žĭzñĵā ōzŪŪ Ž

Ĥ .(ĤQŷŵĤ 273ś Ū265 Ū259 Ū253 ĞāĀē žĭzñĵā ōzŪŪ Ž ĤĤT3ĵā Ĥ ĤŌQŵñĤā QĒ3) dñĀQŵĤ Ĥ zĤĤĤ RS

.%3 dñ ĤžŵĤā ĤRĤā ĤRĤā d3 ĞĤT3ĵā žĭzñĵā ōzŪŪ Ž ŌŵĤāĤā ŌŌĒ ġĀŌĤ QYŌŌ

.ŌŌĀQōā 3ñ ŷ 224 ĞāĀē ōĤŌŲĤĤ ĞDZŌĤ ĤYĤĤ :C

General ĞŵĤōā 8 āĤĤŌĒĤā ġŵĀQŵñĤā" jĀzĤ3 ĤŌ 8zōzĵā A Ō3ĤĀQōā Ōñ/ŵñ 10 ĤŵĀQē ōzYĤā ĤŪĤĤ :D

.(121 ĞĤĀŌōā Ū1 ĒYŌā) ġĀĒŁzYŌYŌ ĤĤĤ ōĤQŵñĤā "identification tests

.Ĥ/ŵñ 2.0 d3 ĒĤĤ Ĥ :Sulfated ash ĤĤYĒĵā āĤĤōā

śŪ ōĀŌēĤzYŵŵ 0.6 d3 ĒĤĤ Ĥ) RĀĤĤ Ū8ŵ ĤŌ ŷ 80 ĞDZŌĒĤ ZĀZ :loss on drying ZĒDzŌōā ĒŌĀōā

.Ĥ/ŵñ 5.0 dñ ĤžŵĤā ĒŌĤ Ĥ ŪġĤĤē 4 ġĒñ (ĒĜā Ĥñ 5 ĞāĀē

ĞŌēĀōā ĞŌĜŪōā āāĤŪĒē" jĀzĤ3 ĤŌ 8zōzñ zĒ Ĥŵ ōĤQŵñĤā 2Āz :Related substances ĞŌĤĵā āĭzĵā

85 dñ jĤĤñ ĞYŷ8ñ gĀĤŵ R1 ĤŌYŵĒē ĞŵYĒ yĀĒĀQēĤ Ū(84 ĞĤĀŌōā Ū1 ĒYŌā) "Thin-layer chromatography

ōzŪŵ TS (ó/Ĥ1080~) ŌĤŵzĀōā RĤ dñ yzDzğ 5ś ŪR ōzŵĵĵĵā dñ yzDzğ 10 ŪR yŵzŷśŵzYŌōā dñ ĤĤDzğ



1.05  $\hat{U}_{TS}$  ( $\hat{o}/\hat{h}100$ )  $\hat{y}\hat{z}\hat{l}\hat{a}\hat{z}\hat{O}\hat{o}\hat{a}$   $\hat{G}\hat{h}\hat{a}\hat{l}\hat{a}\hat{q}$   $\hat{K}\hat{D}\hat{Z}\hat{s}\hat{o}\hat{A}\hat{E}\hat{L}$   $\hat{g}\hat{A}\hat{A}\hat{E}\hat{w}$   $\hat{o}\hat{z}\hat{V}\hat{T}$   $\hat{O}\hat{n}$  0.5  $\hat{U}_{TS}$  ( $\hat{o}/\hat{h}100$ )  $\hat{y}\hat{z}\hat{l}\hat{a}\hat{z}\hat{O}\hat{o}\hat{a}$   
 .TS ( $\hat{o}/\hat{h}300\sim$ )  $\hat{O}\hat{E}\hat{Q}\hat{E}\hat{j}\hat{a}$   $\hat{R}\hat{p}$   $\hat{Z}$   $\hat{a}\hat{s}\hat{O}\hat{k}$   $\hat{U}\hat{R}\hat{E}\hat{a}\hat{U}$   $\hat{J}\hat{Z}\hat{V}\hat{a}$   $\hat{G}\hat{h}\hat{a}\hat{z}\hat{V}\hat{a}$   $\hat{G}\hat{a}\hat{l}\hat{e}\hat{b}$   $\hat{J}\hat{Q}\hat{A}\hat{k}$   $\hat{U}_{TS}$  ( $\hat{o}/\hat{h}100\sim$ )  $\hat{A}\hat{h}\hat{q}\hat{z}\hat{h}\hat{j}\hat{a}$   
 $\hat{A}\hat{E}\hat{E}\hat{O}\hat{s}\hat{o}\hat{A}\hat{E}\hat{L}$   $\hat{o}\hat{z}\hat{V}\hat{T}$   $\hat{O}\hat{n}$  2.0 8  $\hat{A}\hat{R}\hat{l}\hat{s}$   $\hat{U}_{TS}$  ( $\hat{o}/\hat{h}70\sim$ )  $\hat{O}\hat{l}\hat{o}\hat{z}\hat{l}\hat{O}\hat{s}\hat{o}\hat{A}\hat{E}\hat{T}\hat{a}$   $\hat{R}\hat{p}$   $\hat{O}\hat{n}$  1.0  $\hat{Z}$   $\hat{h}\hat{l}\hat{o}$  10  $\hat{a}\hat{a}\hat{O}\hat{l}$  :B  
 $\hat{A}\hat{E}\hat{E}\hat{O}\hat{s}\hat{o}\hat{A}\hat{E}\hat{L}$   $\hat{o}\hat{z}\hat{V}\hat{T}$   $\hat{O}\hat{n}$   $\hat{g}\hat{A}\hat{A}\hat{l}\hat{a}$   $\hat{Z}$   $\hat{a}\hat{s}\hat{O}\hat{k}$   $\hat{U}\hat{R}\hat{E}\hat{a}\hat{U}$   $\hat{J}\hat{Z}\hat{V}\hat{a}$   $\hat{G}\hat{h}\hat{a}\hat{z}\hat{V}\hat{a}$   $\hat{G}\hat{a}\hat{l}\hat{e}\hat{b}$   $\hat{J}\hat{Q}\hat{A}\hat{k}$   $\hat{U}_{TS}$  ( $\hat{o}/\hat{h}80\sim$ )  $\hat{y}\hat{z}\hat{l}\hat{a}\hat{z}\hat{O}\hat{o}\hat{a}$   
 . $\hat{O}\hat{E}\hat{Q}\hat{E}\hat{j}\hat{a}$   $\hat{U}\hat{R}\hat{E}\hat{a}\hat{U}$   $\hat{J}\hat{Z}\hat{V}\hat{a}$   $\hat{B}\hat{U}$   $\hat{G}\hat{a}\hat{l}\hat{e}\hat{b}$   $\hat{o}\hat{z}\hat{H}\hat{u}\hat{Q}\hat{k}$   $\hat{U}_{TS}$   $\hat{a}\hat{z}\hat{E}\hat{o}\hat{a}$   $\hat{o}\hat{z}\hat{V}\hat{T}$   $\hat{O}\hat{n}$   $\hat{g}\hat{A}\hat{A}\hat{U}\hat{e}$   $\hat{Z}\hat{R}\hat{a}$  8  $\hat{A}\hat{R}\hat{l}$  .TS ( $\hat{o}/\hat{h}80\sim$ )  $\hat{y}\hat{z}\hat{l}\hat{a}\hat{z}\hat{O}\hat{o}\hat{a}$   
 TS ( $\hat{o}/\hat{h}250\sim$ )  $\hat{O}\hat{l}\hat{o}\hat{z}\hat{l}\hat{O}\hat{s}\hat{o}\hat{A}\hat{E}\hat{T}\hat{a}$   $\hat{R}\hat{p}$   $\hat{O}\hat{n}$  15  $\hat{Z}$   $\hat{h}\hat{l}\hat{o}$  1.0  $\hat{a}\hat{a}\hat{O}\hat{l}$  :Heavy metals  $\hat{G}\hat{Y}\hat{E}\hat{O}\hat{J}\hat{o}\hat{a}$  ( $\hat{g}\hat{A}\hat{A}\hat{V}\hat{A}\hat{o}\hat{a}$ )  $\hat{J}\hat{A}\hat{H}\hat{t}\hat{a}$   
 $\hat{G}\hat{O}\hat{C}\hat{O}\hat{a}$   $\hat{A}\hat{A}\hat{G}\hat{s}$   $\hat{U}\hat{J}\hat{A}\hat{Q}\hat{O}\hat{C}\hat{O}\hat{a}$   $\hat{O}\hat{O}\hat{A}\hat{k}$   $\hat{U}\hat{a}\hat{z}\hat{O}\hat{A}\hat{Y}\hat{o}$   $\hat{O}\hat{A}\hat{Q}\hat{l}$  . $\hat{G}\hat{O}\hat{E}\hat{a}$  2  $\hat{g}\hat{A}\hat{E}\hat{n}$   $\hat{R}$   $\hat{J}\hat{Z}\hat{Q}\hat{E}\hat{O}$   $\hat{O}\hat{E}\hat{k}\hat{z}\hat{a}$   $\hat{s}\hat{A}\hat{l}\hat{U}$   $\hat{O}\hat{E}\hat{J}\hat{E}\hat{n}$   $\hat{o}\hat{z}\hat{V}\hat{T}$   $\hat{O}\hat{n}$  25  $\hat{Z}\hat{h}$   $\hat{R}\hat{E}\hat{Z}\hat{s}$   
 $\hat{o}\hat{A}\hat{Q}\hat{n}\hat{r}\hat{a}$ "  $\hat{J}\hat{a}\hat{z}\hat{A}\hat{Z}$   $\hat{K}\hat{O}$   $\hat{8}\hat{z}\hat{o}\hat{z}\hat{h}\hat{n}$   $\hat{z}\hat{E}$   $\hat{A}\hat{t}\hat{O}$   $\hat{O}\hat{t}\hat{H}\hat{o}\hat{a}$   $\hat{O}\hat{t}\hat{O}\hat{Q}\hat{E}\hat{l}\hat{s}$   $\hat{o}\hat{A}\hat{t}\hat{a}$   $\hat{O}\hat{n}$  15  $\hat{Z}$   $\hat{G}\hat{o}\hat{A}\hat{t}\hat{J}\hat{o}\hat{a}$   $\hat{a}\hat{a}\hat{O}\hat{l}$  .8  $\hat{A}\hat{A}\hat{z}\hat{a}$   $\hat{z}\hat{o}\hat{Q}\hat{g}$   $\hat{G}\hat{h}\hat{a}\hat{t}\hat{a}$   
 $\hat{U}(127\hat{G}\hat{H}\hat{A}\hat{O}\hat{o}\hat{a}\hat{U}\hat{1}\hat{A}\hat{E}\hat{Y}\hat{O}\hat{a})$  1  $\hat{o}\hat{A}\hat{D}\hat{Z}\hat{Q}\hat{a}$   $\hat{A}\hat{E}\hat{E}\hat{w}$   $\hat{U}$ "Limit test for heavy metals  $\hat{G}\hat{Y}\hat{E}\hat{O}\hat{J}\hat{o}\hat{a}$  ( $\hat{g}\hat{A}\hat{A}\hat{V}\hat{A}\hat{o}\hat{a}$ )  $\hat{J}\hat{A}\hat{H}\hat{t}\hat{a}$   $\hat{O}\hat{D}\hat{Z}\hat{j}$   $\hat{B}\hat{A}\hat{E}\hat{\Sigma}\hat{a}$   
 . $\hat{h}/\hat{y}\hat{a}\hat{A}\hat{d}\hat{s}\hat{A}\hat{O}\hat{n}$  30  $\hat{O}\hat{z}$   $\hat{A}\hat{A}\hat{A}\hat{l}$   $\hat{r}$   $\hat{U}(119\hat{G}\hat{H}\hat{A}\hat{O}\hat{o}\hat{a}\hat{U}\hat{1}\hat{A}\hat{E}\hat{Y}\hat{O}\hat{a})$   $\hat{A}$   $\hat{G}\hat{O}\hat{l}\hat{A}\hat{U}\hat{o}\hat{a}$   $\hat{A}\hat{E}\hat{E}\hat{w}$   $\hat{G}\hat{Y}\hat{E}\hat{O}\hat{J}\hat{o}\hat{a}$   $\hat{J}\hat{A}\hat{H}\hat{t}\hat{a}$   $\hat{Z}\hat{z}\hat{Q}\hat{T}$   $\hat{O}\hat{n}\hat{H}\hat{l}$   
 $\hat{O}\hat{n}$  35  $\hat{Z}$  TS ( $\hat{o}/\hat{h}100\sim$ )  $\hat{O}\hat{l}\hat{o}\hat{z}\hat{l}\hat{A}\hat{V}\hat{E}\hat{o}\hat{a}$   $\hat{R}\hat{p}$   $\hat{O}\hat{n}$  20  $\hat{Z}$   $\hat{h}\hat{l}\hat{o}$  3.3  $\hat{A}\hat{E}\hat{O}\hat{A}\hat{Q}\hat{a}$   $\hat{o}\hat{z}\hat{V}\hat{T}$   $\hat{y}\hat{A}\hat{A}\hat{Q}\hat{E}\hat{l}$  :Arsenic  $\hat{N}\hat{E}\hat{Q}\hat{O}\hat{A}\hat{o}\hat{a}$   
 $\hat{U}\hat{1}\hat{A}\hat{E}\hat{Y}\hat{O}\hat{a})$  "Limit test for arsenic  $\hat{N}\hat{E}\hat{Q}\hat{O}\hat{A}\hat{o}\hat{a}$   $\hat{O}\hat{D}\hat{Z}\hat{j}$   $\hat{B}\hat{A}\hat{E}\hat{\Sigma}\hat{a}$   $\hat{o}\hat{A}\hat{Q}\hat{n}\hat{r}\hat{a}$ "  $\hat{J}\hat{a}\hat{z}\hat{A}\hat{Z}$   $\hat{K}\hat{O}$   $\hat{8}\hat{z}\hat{o}\hat{z}\hat{h}\hat{n}$   $\hat{A}\hat{t}\hat{O}$   $\hat{O}\hat{t}\hat{H}\hat{o}\hat{a}$   $\hat{O}\hat{t}\hat{O}\hat{Q}\hat{E}\hat{l}\hat{s}$   $\hat{o}\hat{A}\hat{t}\hat{a}$   
 . $\hat{h}/\hat{y}\hat{a}\hat{A}\hat{d}\hat{s}\hat{A}\hat{O}\hat{n}$  3  $\hat{O}\hat{z}$   $\hat{N}\hat{E}\hat{Q}\hat{O}\hat{A}\hat{o}\hat{a}$   $\hat{Z}\hat{z}\hat{Q}\hat{T}$   $\hat{A}\hat{A}\hat{A}\hat{l}$   $\hat{r}$   $\hat{U}(130\hat{G}\hat{H}\hat{A}\hat{O}\hat{o}\hat{a})$   
 $\hat{U}\hat{o}\hat{A}\hat{t}\hat{a}$   $\hat{O}\hat{n}$  50  $\hat{Z}$  TS ( $\hat{o}/\hat{h}300\sim$ )  $\hat{O}\hat{E}\hat{Q}\hat{E}\hat{j}\hat{a}$   $\hat{R}\hat{p}$   $\hat{O}\hat{n}$  50  $\hat{O}\hat{n}$   $\hat{J}\hat{A}\hat{n}$   $\hat{Z}$   $\hat{h}\hat{l}\hat{o}$  5.0  $\hat{a}\hat{a}\hat{O}\hat{l}$  :calcium  $\hat{y}\hat{z}\hat{l}\hat{E}\hat{O}\hat{l}\hat{O}\hat{o}\hat{a}$   
 $\hat{E}\hat{Z}$   $\hat{U}\hat{l}\hat{A}\hat{o}\hat{s}\hat{A}\hat{r}$   $\hat{O}\hat{O}\hat{a}$   $\hat{J}\hat{A}\hat{O}$   $\hat{a}\hat{a}\hat{O}$   $\hat{U}\hat{G}\hat{l}\hat{A}\hat{l}$  .TS ( $\hat{o}/\hat{h}120\sim$ )  $\hat{O}\hat{E}\hat{Q}\hat{E}\hat{j}\hat{a}$   $\hat{R}\hat{p}$   $\hat{O}\hat{n}$  100  $\hat{B}\hat{U}$   $\hat{Z}\hat{A}\hat{Z}\hat{s}$   $\hat{U}\hat{A}\hat{E}\hat{l}$   $\hat{U}\hat{G}\hat{O}\hat{E}\hat{a}$  2  $\hat{g}\hat{A}\hat{E}\hat{n}$   $\hat{U}\hat{Y}\hat{8}\hat{l}$   
 $\hat{Z}\hat{A}\hat{Z}$  . $\hat{G}\hat{E}\hat{z}\hat{A}\hat{O}$   $\hat{G}\hat{g}\hat{A}\hat{l}\hat{O}$   $\hat{o}\hat{A}\hat{U}\hat{Z}\hat{q}$   $\hat{G}\hat{t}\hat{o}\hat{Y}\hat{n}$  porosity  $\hat{Q}\hat{E}\hat{n}\hat{E}\hat{n}$   $\hat{g}\hat{A}\hat{a}$   $\hat{A}\hat{O}\hat{E}\hat{Y}\hat{E}\hat{O}\hat{o}\hat{a}$   $\hat{s}\hat{U}$   $\hat{h}\hat{A}\hat{A}\hat{t}\hat{a}$  8  $\hat{A}\hat{l}\hat{a}$   $\hat{O}\hat{n}$   $\hat{h}\hat{A}\hat{Q}\hat{U}$   $\hat{G}\hat{h}\hat{z}\hat{V}\hat{n}$   $\hat{G}\hat{U}\hat{A}\hat{h}$   $\hat{G}\hat{O}\hat{k}\hat{z}\hat{a}$   
 $\hat{B}\hat{U}$  8  $\hat{A}\hat{R}\hat{l}$  .( $\hat{O}\hat{E}\hat{Q}\hat{E}\hat{j}\hat{a}$   $\hat{R}\hat{p}$   $\hat{Z}$   $\hat{G}\hat{a}\hat{s}\hat{a}\hat{Y}\hat{o}\hat{a}$   $\hat{a}\hat{a}\hat{z}\hat{t}\hat{a}$   $\hat{o}\hat{A}\hat{Q}\hat{n}\hat{r}\hat{a}$   $\hat{O}\hat{D}\hat{Z}\hat{j}$   $\hat{G}\hat{U}\hat{A}\hat{t}\hat{a}$   $\hat{z}\hat{O}\hat{Q}\hat{E}\hat{l}$ )  $\hat{o}\hat{A}\hat{t}\hat{a}$   $\hat{O}\hat{n}$  150  $\hat{B}\hat{U}$   $\hat{G}\hat{g}\hat{A}\hat{l}\hat{A}\hat{o}\hat{a}$   $\hat{O}\hat{n}$  1.3  
 $\hat{g}\hat{r}\hat{A}\hat{E}\hat{O}\hat{l}$   $\hat{o}\hat{z}\hat{V}\hat{T}$   $\hat{O}\hat{n}$  0.8  $\hat{o}\hat{A}\hat{E}\hat{O}\hat{n}$  TS ( $\hat{C}\hat{a}$   $\hat{O}\hat{n}/\hat{y}\hat{a}\hat{A}\hat{d}\hat{s}\hat{A}\hat{O}\hat{n}$  100 $\sim$ )  $\hat{y}\hat{z}\hat{l}\hat{E}\hat{O}\hat{l}\hat{O}\hat{o}\hat{a}$   $\hat{B}\hat{z}\hat{Q}\hat{A}\hat{J}\hat{A}\hat{Q}\hat{a}$   $\hat{B}\hat{o}\hat{A}\hat{E}\hat{H}\hat{t}\hat{a}$   $\hat{o}\hat{z}\hat{V}\hat{+}\hat{a}$   $\hat{O}\hat{n}$  0.20  
 $\hat{G}\hat{g}\hat{A}\hat{l}\hat{A}\hat{o}\hat{a}$   $\hat{O}\hat{n}$  15  $\hat{Z}$  TS ( $\hat{o}/\hat{h}120\sim$ )  $\hat{O}\hat{E}\hat{Q}\hat{E}\hat{j}\hat{a}$   $\hat{R}\hat{p}$   $\hat{O}\hat{n}$  1 8  $\hat{A}\hat{R}\hat{l}$   $\hat{G}\hat{O}\hat{E}\hat{a}$  1  $\hat{A}\hat{E}\hat{H}\hat{a}\hat{s}$  .TS ( $\hat{o}/\hat{h}50$ )  $\hat{y}\hat{z}\hat{l}\hat{a}\hat{z}\hat{O}\hat{o}\hat{a}$   
 . $\hat{h}\hat{A}\hat{Q}\hat{U}$   $\hat{g}\hat{A}\hat{R}\hat{+}\hat{a}$   $\hat{G}\hat{A}\hat{A}\hat{A}\hat{t}\hat{a}$   
 ( $\hat{C}\hat{a}$   $\hat{O}\hat{n}/\hat{y}\hat{a}\hat{A}\hat{d}\hat{s}\hat{A}\hat{O}\hat{n}$  10)  $\hat{y}\hat{z}\hat{l}\hat{E}\hat{O}\hat{l}\hat{O}\hat{o}\hat{a}$   $\hat{B}\hat{o}\hat{A}\hat{E}\hat{H}\hat{t}\hat{a}$   $\hat{o}\hat{z}\hat{V}\hat{+}\hat{a}$   $\hat{O}\hat{n}$  10  $\hat{O}\hat{n}$   $\hat{J}\hat{A}\hat{n}$   $\hat{y}\hat{a}\hat{A}\hat{A}\hat{Q}\hat{E}\hat{l}\hat{a}$   $\hat{B}\hat{o}\hat{A}\hat{E}\hat{H}\hat{t}\hat{a}$   $\hat{o}\hat{z}\hat{V}\hat{T}$   $\hat{G}\hat{o}\hat{A}\hat{l}\hat{t}\hat{a}$   $\hat{A}\hat{R}\hat{Z}$   
 $\hat{o}\hat{z}\hat{V}\hat{+}\hat{a}$   $\hat{Z}$   $\hat{U}\hat{R}\hat{E}\hat{O}\hat{a}$   $\hat{O}\hat{l}\hat{k}$   $\hat{O}\hat{n}$   $\hat{A}\hat{J}\hat{O}\hat{l}$   $\hat{A}\hat{O}\hat{A}\hat{E}\hat{l}$   $\hat{J}\hat{Z}\hat{O}\hat{k}$   $\hat{O}\hat{n}$   $\hat{o}\hat{A}\hat{Q}\hat{n}\hat{r}\hat{a}$   $\hat{o}\hat{z}\hat{V}\hat{T}$   $\hat{Z}$   $\hat{J}\hat{Q}\hat{A}\hat{k}$   $\hat{y}\hat{z}\hat{l}\hat{a}\hat{z}\hat{O}\hat{o}\hat{a}$   $\hat{G}\hat{U}\hat{l}$   $\hat{J}\hat{U}\hat{z}$   $\hat{G}\hat{O}\hat{E}\hat{a}$  15  $\hat{A}\hat{E}\hat{H}\hat{a}\hat{s}$  . $\hat{o}\hat{A}\hat{n}$   $\hat{O}\hat{n}$  5  $\hat{Z}$  TS  
 .( $\hat{h}/\hat{h}\hat{l}\hat{o}$  15)  $\hat{B}\hat{o}\hat{A}\hat{E}\hat{H}\hat{t}\hat{a}$   
 . $\hat{o}\hat{A}\hat{t}\hat{a}$   $\hat{O}\hat{n}$  10  $\hat{B}\hat{U}$   $\hat{Z}\hat{A}\hat{Z}\hat{s}$  TS ( $\hat{o}/\hat{h}70\sim$ )  $\hat{O}\hat{l}\hat{o}\hat{z}\hat{l}\hat{O}\hat{s}\hat{o}\hat{A}\hat{E}\hat{T}\hat{a}$   $\hat{R}\hat{p}$   $\hat{O}\hat{n}$  5  $\hat{Z}$   $\hat{h}\hat{l}\hat{o}$  15  $\hat{a}\hat{a}\hat{O}\hat{l}$  :Iron  $\hat{A}\hat{E}\hat{A}\hat{E}\hat{\Sigma}\hat{a}$   
 $\hat{O}\hat{D}\hat{Z}\hat{j}$   $\hat{B}\hat{A}\hat{E}\hat{\Sigma}\hat{a}$   $\hat{o}\hat{A}\hat{Q}\hat{n}\hat{r}\hat{a}$ "  $\hat{J}\hat{a}\hat{z}\hat{A}\hat{Z}$   $\hat{K}\hat{O}$   $\hat{8}\hat{z}\hat{o}\hat{z}\hat{h}\hat{n}$   $\hat{z}\hat{E}\hat{l}\hat{a}\hat{n}$   $\hat{A}\hat{E}\hat{E}\hat{w}$   $\hat{G}\hat{O}\hat{A}\hat{A}\hat{o}\hat{a}$   $\hat{G}\hat{g}\hat{A}\hat{l}\hat{A}\hat{o}\hat{a}$   $\hat{O}\hat{n}$  4.0  $\hat{z}\hat{Y}\hat{Z}$   $\hat{O}\hat{t}\hat{H}\hat{o}\hat{a}$   $\hat{O}\hat{t}\hat{O}\hat{Q}\hat{E}\hat{l}$   
 . $\hat{h}/\hat{y}\hat{a}\hat{A}\hat{d}\hat{s}\hat{A}\hat{O}\hat{n}$  700  $\hat{O}\hat{z}$   $\hat{A}\hat{A}\hat{A}\hat{l}$   $\hat{r}$   $\hat{U}(129\hat{G}\hat{H}\hat{A}\hat{O}\hat{o}\hat{a}\hat{U}\hat{1}\hat{A}\hat{E}\hat{Y}\hat{O}\hat{a})$  "Limit test for heavy iron  $\hat{A}\hat{E}\hat{A}\hat{E}\hat{\Sigma}\hat{a}$   
 $\hat{G}\hat{l}\hat{A}\hat{l}$  . $\hat{E}\hat{a}\hat{l}\hat{e}\hat{a}$  5  $\hat{g}\hat{A}\hat{E}\hat{n}$   $\hat{z}\hat{Y}\hat{8}\hat{l}\hat{s}$   $\hat{o}\hat{A}\hat{n}$   $\hat{O}\hat{n}$  100  $\hat{Z}\hat{h}$   $\hat{h}\hat{l}\hat{o}$  2.0  $\hat{Z}\hat{A}\hat{Z}$  :water-soluble substances  $\hat{o}\hat{A}\hat{t}\hat{a}$   $\hat{Z}$   $\hat{G}\hat{a}\hat{s}\hat{O}\hat{o}\hat{a}$   $\hat{a}\hat{a}\hat{z}\hat{t}\hat{a}$

Z<sub>4</sub>Z Ž 8 ĀĀzā zøğ ĞġĀĪĀōō dñ Ōñ 50 ĀĀĀ .ōĀtĀ Ōñ 100 BĪ ZĀZS ŪĀΞēō ŌĀQĀ ŪĤōĀğ ōĀtā zŌĀ ĀtĀēē  
 .ñĪñ 20 d3 ĞōĀtĪōō Jās ĒĀĀ Ĥ ŪĤĀĪōō Jāzōō zøğ °y 105 gōĀĀğ ĞDZōĒēē  
 zĪ3 ĞēŌQŏtā ŪĞōĀtĪōō Jās ĒĀĀ Ĥ :substances insoluble in acetic acid Ōēēējā Rē Ž ĞāāāēYōō āāztā  
 ZĀθs ōĀtĀ ŌĒ8Ī ĀñĒĀ3 ŪyztĒēōĀōō ŌDZj BĀΣā ōĀQññā Ž ŌHĀVō ĒēĤtā ōzĪ+ā KRŌ Ž yĒĀQĒtā ĞĀĀtā  
 .ñĪñ 5 d3 Ū°y 600 ĞDZōĒēēē (ŌĤĪĤ) ĒñĀĤs  
 ĞYQŌōō zøğ (ŌĤĪĤ) ĒñĀĤs °y 900 zøğ ĵĴōĒōōēē Ĥ 0.5 dĀĒĒ :loss on ignition ōĀĤŌĪĤĀ ĒēŌōō  
 .Ĥ/Ĥ0.325 dñ ĀĴŌĪ Ĥs Ĥ/Ĥ 0.300 dñ ŌēĪ ĒēŌĀ Ĥ ŪĞēĀĴōō  
 dñ ĀĴŌĪ ĒēŌĀ Ĥ Ū°y 105 gōĀĀğ ĞDZōĒēēē ĤĀĪōō Jāzōō zøğ ZĀZ :loss on drying ZĒADzŌōĀēē ĒēŌōō  
 .Ĥ/Ĥ0.33  
 TS (ō/Ĥ70~) ŌĴōzĪŌsōĒēēē Rē dñ Ōñ 2 Ž ŪĞĤzĞRñ Ğñsāzñ ŪĤ 0.05 ĞāĀē āāŌĪ :Assay ĞĒĀĴtā  
 Complexometric ġāĒŌĤtā āĒēŌñ ġāĀĀĤtā" JĀt3 ĤŌ 8zōzñ zĒĀñ Āñ ĒēĒIII ġĀĀĤtā ŌtĤōō zĀzs  
 (ō/ōzñ 0.05) yzĀāzŌōō ĞēĀĀq ġĀQĀĒŪ ōzYŤ dñ Ōñ 1 ŌŌ .(138 ĞHĀŌŌō Ū1 ĒēŌō) yzĀĒĒ8tā ŌDZj "titrations  
 .Mg(OH)<sub>2</sub> dñ ñĪñ 2.916 ōzĀŌĀ vs

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## MAGNESII OXIDUM

**Magnesium oxide** !NjĪRĪŤZDŽŪē qĪz l'ē

**Light** ξ ĪZŌŪē !NjĪRĪŤZDŽŪē qĪz l'ē

**Heavy** ūĪŤŤŪē !NjĪRĪŤZDŽŪē qĪz l'ē

**MgO** :Molecular formula ĞĒĀĀzā Ğ8ēŌōō

40.30 :R elative molecular mass ĞēēĒĀōō ĞĒĀĀzā ĞYQŌōō

Magnesium oxide; CAS Reg. No. 1309-48-4.:Chemical name ŪāĒēŤŌōō Ĵēñā

Ž ŪēYŏ ŌŌĪē ZĒĀĴā yzĀĒĒ8tā ĒēēŌŪē ĒDZĴĀ ŪĞHōōĀōō ĤĒ3 ŪRēēĪ JzĪē āzHēĒ :Description Zōzōō  
 .ZēŌ āzHēĒ ŌŌĪē ŌēŌŏō yzĀĒĒ8tā ĒēēŌŪē ĒDZĴĀ kg

.ĞĀĀĀtā ōĀĤjā Ž āāēē ŪTS (ō/Ĥ750~) ōzĀĴĀqā Ž Ĥs ōĀtā Ž ĤēYt3 āāēē Kd :Solubility ĞēĤēēŌōō  
 .ĞrztHŪŏ āĀRñ :Category ĞĀĀōō

. $\bar{y}$ ÁÓgñā ĠŌY8η ĠšĀġ Ž  $\bar{y}$ zĀĀ8tā ĀĒĒŌŵ ŠĀġ ĀZ :Storage dĀĀĀŌā  
 šŰ ZĀĀĀ  $\bar{y}$ zĀĀ8tā ĀĒĒŌŵ Ū gĀĀtā ĶŲĀŌ āēŰ ĀĒz ĠšĀĠā zŷ ĠĒĒŌā ŌĀ ĵ Ű ĀZ :Labelling ĴĒzŌā  
 .ŌĒŌžā  $\bar{y}$ zĀĀ8tā ĀĒĒŌŵ

# REQUIREMENTS KChúŌŌŵŷf

d3 ĀĀĀ fš %98.0 d3 ŌŌĀ f Āη zŷ  $\bar{y}$ zĀĀ8tā ĀĒĒŌŵ BzŌ3 :General requirement  $\bar{y}$ ĀĀā ĀŷŪŲā  
 .ignited ĠŲŲā gĀĀtā BŰ tŷDZĀā ĠzĒŲ ŰMgO dη %100.5

## :Identity tests ĥŲŲŲĒ ĴŲŲŲĒ

ĀłŷŰŌ ōzŲŲ dη Ōη 1.0 8ĀŔĴ ŰTS (ō/ĥ70~) ŌłŷŰŌŷŌĒĒĒ ŔŲ dη Ōη 1.0 Ž ŲŲη 10 āŌŰ :A  
 dη Ōη 1.0š ŰTS (ō/ĥ100)  $\bar{y}$ zĀĀŌā ĠĒĀĀŲ KZšŌĒĒ ġĀĒĒŷ ōzŲŲ dη Ōη 0.5 ŰTS (ō/ĥ100)  $\bar{y}$ zĲzŲĵā  
 .TS (ō/ĥ300~) ŌŲŲĒĵā ŔŲ Ž āšŌĲ ŪŲŲā ŰŔĒĒŰ ĴzŲā ĠłŷŲā ĠĀĒĒŷ ĵŲĀĲ ŰTS (ō/ĥ100~) ĀĲzŲĵā  
 ĀĒĒŌŷŌĒĒ ōzŲŲ dη Ōη 2.0 8ĀŔĴš ŰTS (ō/ĥ70~) ŌłŷŰŌŷŌĒĒĒ ŔŲ dη Ōη 1.0 Ž ŲŲη 10 āŌŰ :B  
 ĀĒĒŌŷŌĒĒ ōzŲŲ dη gĀĀĀ Ž āšŌĲ f ŪŲŲā ŰŔĒĒŰ ĴzŲā ĠĒŲŲĒ ĠĀĒĒŷ ĵŲĀĲ ŰTS (ō/ĥ80~)  $\bar{y}$ zĀĀŌā  
 .dŌāĒā ŪŲĀā BŰ ĠĀĒĒā ĴzŰ ōzŲŲ ŰTS āzŲā ōzŲŲ dη ġĀŰĒ 3Ŕā 8ĀŔĴ .TS (ō/ĥ80~)  $\bar{y}$ zĀĀŌā

(ō/ĥ300~) ŌŲŲĒĵā ŔŲ dη Ōη 70 dη ĵĀĀ Ž ĥ 5.0 āŌŰ :Heavy metals ĠŲŲŲā (ġĀĀŲā) ĴĀĤĲā  
 .TS (ō/ĥ120~) ŌŲŲĒĵā ŔĒŲ Ōη 100 zŲŲg ZĀŲš ŰĀŲ ŰŌŲā 2 gĀη zŲŲ ŰŌĀ Ōη 30 8ĀŔĴš TS  
 ĠĤĀĒĒ ġĀē ĀŲŲĒā šŰ ĤĀĲā 8ĀĴā dη ĤĀŰ ignited ĠŲŲĲ ĠŰĀĲ ĠŲzā Ĳ ŰĤŲšĀŔ Ōā ĴĀŌ āēŰ ŰĠĀĴ  
 ĠāšĲŲā āzŲā ŌĀŲĀ ŌDzĵ ĠŰĲā zŲŲĒĒ) ĠĠĀĀ dη Ōη 20 BŰ 8ĀŔĴ .ĠĒĀŌ ĠĠĀŌ ŌĀŲzŲ ĠŲŲŲ porosity  
 ŌłŷŰŌŷŌĒĒ ŔŲ dη Ōη 15 ( $\bar{y}$ zĒĒĀŌā ŌDzĵ BĀŲš ŌĀŲŲŲŲ ĠĒŲŲā ĠĠĀĀ zŲŲĒĒ ŌŲŲĒĵā ŔŲ Ž  
 ŰĴĀŲŲŲ ŌŌĀĲ ŰŲĀŲŲŲŲ ŌĀŲĲ .ĠŲā 2 gĀη R ĴzŲŲ ŌŲzā šĀŲ ŌŲŲĲ dη Ōη 25 3Ų ŲŔŲš TS (ō/ĥ250~)  
 Ōη 40 BŰ ZĀŲš TS (ō/ĥ300~) ŌŲŲĒĵā ŔŲ dη Ōη 1 Ž ĠĀŲŲā āŌŲ .8ĀĀzā zŲŲg ĠĒĲā ĠŲŲā ĀĲš  
 (ġĀĀŲā) ĴĀĤĲā ŌDzĵ BĀŲš ŌĀŲŲŲŲ" ĴzĲ 3 ŲŲ 8zŲzŲ zĒĀĲ ĀĒŲ ĠŲŲŲā ĴĀĤĲā 3ŲŲŲ ĲĤĲ .3ĀŲš ŌĀĲā  
 .ĥ/ŲāĲšĀŲŲ 40 d3 ĀĀĀ f Ű(128 ĠĤĀŲŲ Ű1 ĀŲŲā) A ĠŲĀŲŲā ĀĒŲ Ű"Limit test for heavy metals ĠŲŲŲā

dη Ōη 35 8ĀŔĴš TS (ō/ĥ100~) ŌłŷĀŲĒā ŔŲ dη Ōη 20 Ž ĥ3.3 ōzŲŲ  $\bar{y}$ ĀĀŲĒĒ :Arsenic ŲĲŲāŲā  
 "Limit test for arsenic ŲĲŲāŲā ŌDzĵ BĀŲš ŌĀŲŲŲŲ" ĴzĲ 3 ŲŲ 8zŲzŲ zĒĀĲ ĀĒŲ ŌĲĲā ŌŲŲĒĲš ŌĲā  
 .ĥ/ŲāĲšĀŲŲ 3 d3 ŲĲŲāŲā 3ŲŲŲ ĀĀĀ f Ű(130 ĠĤĀŲŲ Ű1 ĀŲŲā)

20 Ž āŌŲš TS (ō/ĥ250~) ŌłŷŰŌŷŌĒĒĒ ŔŲ dη ġĀŰĒ 3Ŕā ĥ0.10 BŰ 8ĀŔĴ :Barium  $\bar{y}$ zĀĀŲā

.Էալեթ 10 օ՛Կն Շալեթ Շու յՊակ ԿՐԸՏ .TS (օ/հ100~) ՕւոչԱՎԷթ ՐԲ Ժ յն Օն 0.10 8ԱՐԱ .օն Օն Օն 150 Ե՛ ՇԿԵՅթ (ջԱԿԱթ) յԱԿթ ՕԾԶ թԱԳնԲԻ Ժ ՇԹԱթ ՇգԱԻԱթ Ժ Օն 1.3 ՉԱՇ :calcium յԶԷԹԱՕթ .օԿթ

Ժ Օն 0.8 թԱԵՕն TS (Ca Օն/ԿԱԾՏԱՕն 100) յԶԷԹԱՕն ԵԶԿԱԳԹ ԲԹԱԿթ օԶԻԻ Ժ Օն 0.20 Ե՛ 8ԱՐԱ Օն 15Տ TS (օ/հ120~) ՕԿԵԵԻԻ ՐԲ Ժ յն 1 8ԱՐԱ ՇԷթ 1 ԷԿՏ .TS (օ/հ50) յԶԷԶԵԻԻ ճԲԱԵԹ օԶԻԻ .ՊԱՍ ԳԱԲԻԻ ԳԱԻԱթ Ժ

(Ca Օն/ԿԱԾՏԱՕն 10) յԶԷԹԱՕն ԲԹԱԿթ օԶԻԻ Ժ Օն 10 Ժ յն ԿԱն ԿԱԶԷԹ ԲԹԱԿն օԶԻԻ ՇԱԻԿթ ԱՐՅ օԶԻԻ Չ ԵԹԹ ՕԻԿ Ժ ԱՅԹ ԹԹԻ յԶՕԿ Ժ թԱԳնԲԻ օԶԻԻ Չ յՊակ յԶԿ Շու յն ՇԷթ 15 ԷԿՏ .օն Օն 5Տ TS .(հ/նն 15) ԲԹԱԿթ

.օԿթ Օն 10 Ե՛ ՉԱՏՏ TS (օ/հ70~) ՕւոչԻԾՏԹԷԻ ՐԲ Ժ յն Օն 5 Չ հ0.15 աՅՕ :Iron ԷԷՏ ՕԾԶ ԲԷՏ թԱԳնԲԻ" յԶԶ ՔՕ 8ԶԶԶ շԷն ԷԷԿ ՇԹԱթ ՇգԱԻԱթ Ժ Օն 4.0 ԶԶ ՕԿԹ ՕԿՕԷԱ .հ/ԿԱԾՏԱՕն 500 Ժ ԷԱԱ Բ Ս(129 ՇԽԱՕթ Ս1 ԷԻՕ) "Limit test for heavy iron ԷԷՏ

ԳԻԱ .Էթ 5 ԳԷ ԶԶ օն Օն 100 Յն հ2.0 ՉԱՇ :water-soluble substances օԿթ Չ ԳԶՏԹ աԶԶ Ժ Օն 50 ԱԷԱ .օԿթ Օն 100 Ե՛ ՉԱՏՏ ՍԷԷԹ ՕԱՕ ՍԿԻԻ ԱԾԻ ՉԱԶԱթ ԳԱԿ Է թԱԳ օԿթ յԶՕԱ ԱԷԱ .նն 20 Ժ ԳԱԿթ յԶՏ ԷԱԱ Բ ՍԿԱՅթ յԶթ ԶԹԳ Կ 105 ՇԶԹԷԹ ԶԱՅ 8ԱԶ ԶԹԳ ՇգԱԻԱթ

ԶԶ ՇԵՕԿթ ՍԳԱԿթ յԶՏ ԷԱԱ Բ :substances insoluble in acetic acid ՕԿԵԵԻԻ ՐԲ Չ ԳԶՏԹ աԶԶ ԶԱԹՏ օԿթ ՕԷԸ ԱԿԱ ՍԳԵՕՅթ յԱԿթ ՕԾԶ ԲԷՏ թԱԳնԲԻ Չ ՕԽԱՎԹ ԷԿթ օԶԻԻ ԿՐՕ Չ ԿԱԶԷԻԻ ԳԱԿ .նն 5 Ժ ՍԿ 600 ՇԶԹԷԹ ԷԿԿ Ժ ԱՅԹ ԷՕԱ Բ ՍԿԱՅթ յԶթ ԶԹԳ Կ 900 ՇԶԹԷԹ հ1.0 (ԷԿԻ) ԷԿԱ :loss on ignition ՕԱԿԻ Բ ԷՕԱ

Ժ ԱՅԹ ԷՕԱ Բ ՍԿԱՅթ յԶթ ԶԹԳ Կ 900 ՇԶԹԷԹ հ1.0 (ԷԿԻ) ԷԿԱ :loss on ignition ՕԱԿԻ Բ ԷՕԱ .հ/նն 100

TS (օ/հ70~) ՕւոչԻԾՏԹԷԻ ՐԲ Ժ յն Օն 20 Չ ՍԳԶԶԶԶ ՍԿ օ.35 ԳԶԱ ԷՅՕ :Assay ԳԷԱՕթ Complexometric ճԱԵՕԿթ աԷՕն ճԱԿԿթ" յԶԶ ՔՕ 8ԶԶԶ շԷն Ա ԷԷԿ ԳԱԿթ ՕԿԹ ԶԱՏ (օ/օն 0.05) յԶԱԶՕթ ԳԶԱ ճԱԿԱՕ օԶԻԻ Ժ Օն 1 ՕԹ .(138 ՇԽԱՕթ Ս1 ԷԻՕ) յԶԱԷԸթ ՕԾԶ "titrations .MgO Ժ նն 2.015 ՕԶԱ vs

00000



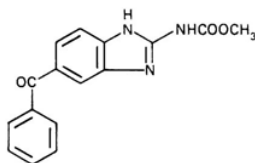
## MEBENDAZOLUM

Мепендазол үніркөпшілігі

$C_{16}H_{13}N_3O_3$  :Molecular formula

295.3 :R elative molecular mass

:Graphic formula



:Chemical name

Methyl 5-benzoyl-2-benzimidazolecarbamate; methyl (5-benzoyl-1H-benzimidazol-2-yl)carbamate; CAS Reg. No. 31431-39-7.

.Ziñn ääðü Bú Rëñ Jzÿä äzHËñ :Description

Žřš TS (ò/ħ750~) òzñlqä Ž řš ĞñÄĤj ä Āßjā Žřš öĀtā Ž ñËt3 āšé Kđ :Solubility

.TS (ò/ħ1080~) ÖñóžÄöä Rëß Ž JāšÖöä Äg ÜR ýóžžšóž'Ööä Žřš Kqjā

.JāÄÄÿö áóüü öššā :Category

.žRöä ðñ ĞtT ŨÄEDZ GÖÿñ ĞšÄg Ž öšäÄÄĞĞtā ŠÄg Äz :Storage

### REQUIREMENTS

%102.0 ð3 āššř ř %98.0 ð3 ÖÖl ř Āñ zÿ3 öšäÄÄĞĞtā BzÜŽ :General requirement

.ĞÄÄÖä gāĤj Bú tžDZÄöä ĞžET ÜC<sub>16</sub>H<sub>13</sub>N<sub>3</sub>O<sub>3</sub> ðñ

:Identity tests

.Cš B ðšĠQññř šü ČšÄÄñ A šĠQññř Āñü ĞĠÜĤ ðÖž •

öäÄtŠā ĶŎ ĞĤjā ĞÖÜñ Ž ĞžRöä ZËÜöä āÄē" Jžt3 ĶŎ 8žðžñ žL Ätö ÖHöä ĞÜñ :A

ĶŎ ĞĤjā Ž ĩ ÄÖññř ZËÜ ĞäÄÜñ .(43 ĞHÄÖöä Ü1 ÄÿÖä) "Spectrophotometry in the infrared region

.öšäÄÄĞĞtā reference spectrum

Jzÿä Jzÿtā ĞÿĤĞtā ðÄÄš ŰTS (ò/ħ80~) ýžÄžÖöä ÄËËššöÄËL òžÿT ðñ Öñ 2.0 žñ Ħñ 20 ĤRŽ :B



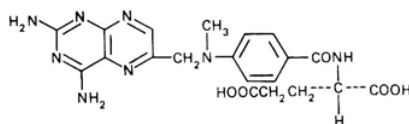
## METHOTREXATUM

Methotrexate l f 2 0 6 H N j k D Z

$C_{20}H_{22}N_8O_5$  :Molecular formula ĞĖĀĀĖĀ Ğ8ĖÔĀĀ

454.4 :Relative molecular mass ĞĖĠĖĀĀĀ ĞĖĀĀĖĀ ĞŸQÔĀĀ

:Graphic formula ĞĖĠĖĠĖĠĖĠ Ğ8ĖÔĀĀ



:Chemical name ĤĀĖĤĖÔĀĀ ĺĕřĀ

(+)-N-[p-[[[(2,4-Diamino-6-pteridiny)methyl]methylamino]benzoyl]-L-glutamic acid; N-[4-[[[(2,4-diamino-6-pteridiny)methyl]methylamino]benzoyl]-L-glutamic acid; CAS Reg. No. 59-05-2.

.BĀÖĶĀĀ BŮ ĀĀDŮ ĴĴĴĴ BŏŹŸĴ āŹĤĖĤ :Description ZŏŹĀĀ

Ž řŝ R ĴĴŮ ōŹŮĀĖĀĀ Ž řŝ TS (ŏ/h750~) ōŹĤĴĴĴ Ž řŝ ōĴĴ Ž ĤĖĤĴ āĴŝĀ Kđ :Solubility ĞĤĴŝŌĀĀ

.ĝĤĴĴĀĀŌĀĀ ĞĴŸŌĀĀ ĝĀĖĖŌŝŌĖĖŸŮ ĞĀĀĴĴ ŌĖĀĀ Ž ĤĖDZ āĴŝĀ ŮR KŏĴĴ

.ĀĴŸĀŸŮ ŸĀĖ ōĴŝĀ :Category ĞĀĀĀĀ

.ŏŹŖĀĀ ĤĤ ĞĤĤ ŮŸĀŌĝŸĀ ĞŮŖĤ ĞĴŝĝ Ž ĝĀĖŌĀĶŹŸĤĴ ŝĀĝ ĀŖ :Storage ĤĀĀŌĀĀ

ŏŌΣĀ ĤĤĴĴ ĀŖ :ĀĀŌŮ .ĤĖŝŌĖĴ ŏŹŖĀĀ ĝĀĖŌĀĶŹŸĤĴ ĀŏŮŸĴ :Additional information ĞĖŹĴŮ ĝĤĤŸĤĤ

.ŏĴŹŤĀĀ ĞŏŹŌĤĴ ĝĤĤĖĖĴĴ āĀĤĤĖĴŝĴ ĖŸŖĀĀ āĤŌĀĀ ĀĤŌŝ BĖĤĴĀĀ ĝĀĖŌĀĶŹŸĤĴ ĞŸĤĤĤĤ ĖĴŝ ĞĀĤĤĀĀŝĴ

### REQUIREMENTS KĤĤŮŝĤĤĴ

Ĥŝ āŝŌĴ ř %96.0 Ĥŝ ŌŌĤ ř ĤĤ Ŗŝ ĝĀĖŌĀĶŹŸĤĴ BŹŮŝ :General requirement ŸĀĤĀĀ ĀŸŮŮĴĴ

.ĞĖĤĤŸŮĀ ĝĀĤĴ BŮ ŤŹDZĀĀĀ ĞĴŹĖĤ Ů $C_{20}H_{22}N_8O_5$  ĤĤ %102.0

:Identity tests ĤŸŤŤŮĤĤ ĺĖŤĠĤĤĤĤ

ĶŮ ĞĤĴĴĴ ĞŌŮĤĤ Ž ĤĴŖĀĀ ZĖŮĀĀ āĤĖ" ĴĴĴŝ ĶŮ ŝŹŏŹĤĤ ŹĤ ĤĤ ŌĤĀĀĀ ĖĠŮĤ :A

ĞĤĴĴĴ Ž ĺĀŌŮĤĴĴ ZĤŮ ĖĴĀŮŮĤ .(43 ĞĤĀŌĀĀ ŮĴĴĴĴ) "Spectrophotometry in the infrared regionĀĀĤŝĀ

.ĝĀĖŌĀĶŹŸĤĴŮ reference spectrum ŮĤDZĀĴĴ ZĖŮĀĀ ŝĤ ŝŝ ĝĀĖŌĀĶŹŸĤĴ ĤĤ ŸĤĤĀĀ ZĖŮĀĀ ŝĤ ōĀĤŝĴĴ ĶŮ

(ó/ózn 0.1) ýžłázŌöä ĄĖĖōśóĄĖĖ ózŲŲ Ź Ōñ/ýāđśĀŌñ 10.0 ĄĖōĀŌē ózŲ+ ĩ ĀŌñŲā ZĖü BĄĖĀ :B ĄĄĀē Źāznjā ōāzūüē ĄĖŲŲ Ź ĄđĀŌñā 3 ŪĀñžŲāŲ 380ś ĀñžŲāŲ 230 kē Źāznjā ōāzūü Ź ĄĄĀĬĀ ĀñĄĬ Ūvs 2.8 kē ĀñžŲāŲ 371 ĄDZŲĀē BŌöä Ōōā BĬ ĀñžŲāŲ 303 ĄDZŲĀē ĩ ĄĖōā ĄĖĖ ĵžŌś.ĀñžŲāŲ 371ś Ū303 Ū258 .3.3ś

ýžłázŌöä ĄĀŲāĀō ózŲŲ Ųñ Ōñ 12 Ź ĥ0.25 āāŌĀ :Specific optical rotation ĤžĀāöä BĀŌġöä ĀłśĄŌöä .[α]<sub>D</sub><sup>20°C</sup> = +19 to + 24° ŪĄĄĀñŲöä ĄĀŲā BĬ ŲžDZĀāē ĄDžŲĀāē ĄĖĖĤś ŪŌñ 25 BĬ ōĀŲā ZĄŚ ŪTS (ó/ĥ10) .ĥ/ñŲñ 1.0 Ųž ĄĄĀĀ Ų :Sulfated ash ĲĀŲĖŲā āĀñĀöä

Determination of water by ĀĬĖž ōŌĀō ĄŌĀĀŪē ōĀŲā kĖĤĲ" ĵžĬž ĲŲ 8žŌžñ žĒ ĄĖō ŲĤĤĀ :Water ōĀŲā ōĀŲā ŲžŲŲ ĄĄĀĀ Ų ŪĄĀŲā Ųñ ĥ 0.5 ýāĄĀŲēĀē Ū(145 ĄĤĀŌöä ŪĬ ĄĖŲŌā) Ā ĄŌĀŪöä Ū"the Karl Fischer method .ĥ/ñŲñ 120 Ųž

.packing material ġžĬΣā ĄĀŲō Ā ĀŌŲĖŲā ōžŪöä ŌŲĤŲĖĀ :Assay ĄĖĀĀŲā ĵžĬž ĲŲ 1 ĄĖŲā žŲž ĄĖŲĖŲŌŲā ġŲĀĄĤöä Ź 377-373 kē ġĀĤĀŌöä Ź 8žŌžñ žĒ ĄĖō ōĀġñŲā ĖġŪĀ Ĭē 10 óžü Bā āžŲž ýāĄĀŲēĀē Ūhigh performance liquid chromatography āĀŲŲā žĖžĀā ŌāĖöä āāĬŲēŲā žñ ŲāĤŲŌöä ŲĀĲŲŲā ġŪĖöä ĤŲž ōĀŲ ŲŲŲāś ŪĀñśĀŌñ 5 ĀŪŲē ŪĀŲĖŲĖöä ġñŲŲ žĬŲ Ĭñ 6 ŲĤĤā ĀŲśś .octadecyl silyl groups ġĀžŲŲĲ ġĀĀŲē/ġĀĄŲ ĄāŲā Ųñ ĬĖDžġ 92 žñ R ŌĀĀŲŲŲēĵā Ųñ ýžDžġ 8 Ųñ ĵĀñ ýāĄĀŲĖĀ ŪŲĀĤŲā ōžŪŲŲ ĄĖĄĀē .TS Ū6.0 ōĀĒā ġāē

Ōō Ź ōĀġñŲā ĄĀñ ŲñŲñ 0.10 Bžž :(A) óžŲ+ā ŪĤĀŲ ōžŲŲŲā ŲĀĤŲā ōžŪöä óžŲŲ Ź ĄĖĀŲā ŲĖĀĀā ĀĤŲŲ Ųñ ŲñŲñ 0.10 Bžž :(C) óžŲ+āś ŪŌñ 1 Ōō Ź RS ġĀĖŲĀĀžŲŲā Ųñ ŲñŲñ 0.10 Bžž :(B) óžŲ+ā ŪŌñ 1 .āĤŲā ġĤŲñ ōĀġñā ŲDžĵ Ųñ 1 Ōō Ź RS ŲĖžĀāē ĤŲ Ųñ ŲñŲñ 0.10ś RS ġĀĖŲĀĀžŲŲā āĀĖŲñ 8ĬŲŲŲā ýāĄĀŲĖĀś .ĄŲēā 1 Ųō Ź Ųñ 1.4 ĄĄĀē ĖžĄĲ ġžĀĖā ġžĀ8öä ġŲāġ ĄDžŲā Ź ŲŲĤā ŲĀž ĤĀĀñ ĬDžġ ġāē ĖžĄĲ ġĲDžŲ ĤāśĀñ ŪĀñžŲāŲ 303 ĄĄĀē ĄDžžñ óžŪē ĄDžĖĀĀġā āžž ĄĤĬĵā Ź ŲāžĤā ZĖŲöä .ĄĖĀñ ŲŲĖĤñ Ū(ġŲŲñ ĀŲśĀŌñ 10 ĬDžΣā ġāē ġĲDžΣā ĄĤĲ) kē resolution factor ĀĤŲā Ųñž ĵžŲŲ ĵŲ ĄĖž .ĀŲśĀŌñ 20 ĤŲñ Ųō ŪĲ óžŲĤŲŲā ġĀžĬŲñ ŲŲĲ 6 ŲĀŲ peak ġśŲŲŲ relative standard deviation ŲŲŲĖŲ BŲĄĤñ 8ĀĀŪā žñ Ū5.0 Ųñ ŲŲŲā ŲĖžĀāē ĤŲŲś ġĀĖŲĀĀžŲŲā .(ĖžŲŲöä ŲĄž B āēŲ ŲĀĤŲā ōžŪöä ĄĖĖŲś ĖžĄŲāē ġžĀē ōĄĤĲ) %2.5 Ųž ĄĄĀĀ Ų ġĀĖŲĀĀžŲŲā ĤāĖŲñ ŲžŲŲā ĄĖĖžś peak responses ŲŲŲā ġĀĤDžŲē āĀŲĲ .Bś Ā kŲžŲ+ā Ųñ Ųō Ųñ ĀŲśĀŌñ 20 ŲŲž



.Antidote **Antidote** :Category

.Storage **Storage**

.hygroscopic **Additional information**

# REQUIREMENTS

**General requirement**

**Identity tests**

**General identification tests**

**Copper and Zinc**

205







## REQUIREMENTS *Kāwhiri*

ƒs %98.0 ɔ3 ŌŌ ƒ Ā ɔ3 ĀēnāĀzVōzŌtj ĀlōzVōsōĀēL BzŌ3 :**General requirement** yāHōā ĀēVŌŌ  
 .ĠēānYōā gāĀtj BŌ tɔDZĀōĀ ĠzĒT ŪC<sub>14</sub>H<sub>22</sub>CIN<sub>3</sub>O<sub>2</sub>,HCl ɔn %101.0 ɔ3 ĀĀĀ

:Identity tests *hūNjNjE l ɛpɟɟɟ*

.Ds Cs B gōĀŌnēf sŪ Ds A ɔlōĀŌnēf ɛgŪ ɔŌɣ •

ĶŌ ĠĪjā ĠŌŪā Ź ŪzŔā ZŪā āē" jzĀ3 ĶŌ 8zōzn zL Āō ŌHĀā ɛgŪ :A  
 ĠĪjā Ź ĪŌŌfā ZŪ ɛāŪ. (43 ĠHĀŌ Ū1 ĀŪ) "Spectrophotometry in the infrared region  
*reference spectrum* ŪHDZĀtj ZŪā 3n sŪ RS ĀēnāĀzVōzŌtj ĀlōzVōsōĀēL ɔn jĀā ZŪā 3n ōāĀtj ĶŌ  
 .ĀēnāĀzVōzŌtj ĀlōzVōsōĀēL

ĀēĀ3 Ūvs (ō/ōzn 0.01) ŌlōzVōsōĀēT Ŕp Ź Ōn/yāāqsĀŌn 20 ĀēŌĀē ōzŷ ĪŌŌfā ZŪ BĀĀ :B  
 ŊŪ ŪĀŌzŌp 309s ĀŌzŌp 273 ĠāĀē kēTj kŌĀŌŌ ŪĀŌzŌp 350s ĀŌzŌp 230 kē Źāznjā ōzŪ Ź ĀĀĪ  
 .BāzŌā ɔ3 Ū0.69s 0.79 ĠāĀē kŌDZtj kĀĀ ōzŪ Ź lē Ī ɠāĀjā ĠŌgū Ī ĀŌ  
 BĀŌĀ jzŌ jŌĀ ŪTSS ĀēĀĀē zĀēŪ ŌēŪ ŪĀĀ-4 ōzŪT ɔn Ōn 5 8ĀĀs ōĀ Ōn 5 Ź Ĥ 0.05 āŌŌ :C  
 .ĀĀŌŪ -

General ĠnHōā 8āĀŌēf gōĀŌnē" jzĀ3 ĶŌ 8zōztj A Ō3ĀĀŌ Ōn/ŊŪ 20 ĀēŌĀē ōzŷ ŪŪĤ :D  
 .(121 ĠHĀŌ Ū1 ĀŪ) gōĀlōzŪŌŌ Ātj Ō3ĀĀŌ "identification tests

BĀjā ōĀtj ɔn Ōn 10 Ź Ĥ1.0 ĀēŌĀē ōzŷ ĪŌŌ :Clarity and colour of solution ōzŷ ĪŌŌ jzŌs ōĀŌ  
 ĠŌŌtj Ā3 Yw3 BōĀēŪ jzŪ ōzŪT jzŌ ɔn ĀŌŌ jzŪ gē Ī jzŌk ƒs ŪēzĀŌ R jzĀŌŌ ĀēŌŌ ŪĀĀ ɔn  
 .(53 ĠHĀŌ Ū1 ĀŪ) "colour of liquids ŌzĒē jzŌ" jzĀ3 ĶŌ 8zōzn zL Ān ĀēŪ  
 .Ĥ/ŊŪ 1.0 ɔ3 ĀĀĀ ƒ :Sulfated ash ĶĀŪētj āĀāōā

Determination of water by ĀĪē ōŌŌŌ ŌĀŪ ōĀtj kēĤ" jzĀ3 ĶŌ 8zōzn zL Āō ɔnĤ :Water ōĀtj  
 ɔzŪT ŌŌ ƒ ŪgāĀtj ɔn Ĥ 0.5 ĠāĀē yāĀĀēŪ Ū(145 ĠHĀŌ Ū1 ĀŪ) A ŌŌĀŪ Ū "the Karl Fischer method  
 .Ĥ/ŊŪ 55 ɔ3 āŌŌ ƒ Ĥ/ŊŪ 45 ɔ3 ōĀtj

6.5- ŪR jzĀŌŌ ĀēŌŌ ŪĀĀ ɔn BĀjā ōĀtj Ź Ōn/Ĥ0.10 ĀēŌĀē ōzŪT ōĀĀ ɔŪĀ :pH Value ōĀĀŌŌ Ġē  
 .4.5

ŌŪēĀā ŌŌŪā āĀĪŌē" jzĀ3 ĶŌ 8zōzn zL Āō ŌĀŌnēf ɛgŪ :Related substances ŌĀĪtj āzŪtj



**:Chemical name**  $\text{C}_4\text{H}_8\text{Cl}_3\text{O}_4\text{P}$   $\text{P}(\text{O})(\text{OCH}_3)_2$

Dimethyl (2,2,2-trichloro-1-hydroxyethyl)phosphonate; CAS  
Reg. No. 52-68-6.

**.Description**  $\text{Z}(\text{O})_2$

**.Solubility**  $\text{G}(\text{O})_2$

**.Category**  $\text{G}(\text{O})_2$

**.Storage**  $\text{G}(\text{O})_2$

**.Additional information**  $\text{G}(\text{O})_2$

$\text{G}(\text{O})_2$

$\text{G}(\text{O})_2$

#### REQUIREMENTS $\text{K}(\text{O})_2$

**.General requirement**  $\text{G}(\text{O})_2$

$\text{G}(\text{O})_2$

**.Identity tests**  $\text{G}(\text{O})_2$

$\text{G}(\text{O})_2$

$\text{G}(\text{O})_2$

$\text{G}(\text{O})_2$

$\text{G}(\text{O})_2$

$\text{G}(\text{O})_2$

$\text{G}(\text{O})_2$

$\text{G}(\text{O})_2$

**.Congealing temperature**  $\text{G}(\text{O})_2$

$\text{G}(\text{O})_2$

$\text{G}(\text{O})_2$

**.Aceton-insoluble matter**  $\text{G}(\text{O})_2$

$\text{G}(\text{O})_2$





[illegible]







ჟანსო უფძვით 2018 წელს დანიშნული ნიშნულით გამოცდის ჩატარებას უზრუნველყოფს

### Additional Requirements for Naloxone hydrochloride for parenteral use

.(56 გრამიდან 4 ანაკადი) "Parenteral preparations გეოგრაფიკული სახელის დადგენილება  
 ბაქტერიული" ქიმიკატის კონტენტის დადგენილება :Bacterial endotoxins გენერაციის გეონაბობის გეონაბობის  
 უ(გეონაბობის გეონაბობის 30 გრამიდან 5 ანაკადი) "Test for Bacterial endotoxins გეონაბობის გენერაციის გეონაბობის ოდეს  
 .ყველა მათგანში გეონაბობის 500 RS გეონაბობის ქიმიკატის დადგენილება

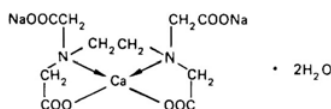
## NATRII CALCII EDETAS

Sodium Calcium edetate ნატრიუმი ნატრიუმი ნატრიუმი

$C_{10}H_{12}CaN_2Na_2O_8 \cdot 2H_2O$  :Molecular formula გეონაბობის გეონაბობის

410.3 :Relative molecular mass გეონაბობის გეონაბობის გეონაბობის

:Graphic formula გეონაბობის გეონაბობის



:Chemical name გეონაბობის გეონაბობის

Disodium [(ethylenedinitrilo)tetraacetato]calcate(2-) dihydrate; (OC-6-21)-disodium [[N,N'-1,2-ethanediybis[N-(carboxymethyl)glycinate]](4-)-N,N',O,O',O'',O''']calcate(2-) dihydrate; calcium chelate of the disodium salt of ethylenediamine-N,N,N',N'-tetraacetic acid dihydrate; CAS Reg. No. 6766-87-6 (dihydrate).

.ნატრიუმი გეონაბობის კაბი უნდა იქნას გეონაბობის დადგენილება :Description გეონაბობის  
 დადგენილება კაბი (0/1 750~) გეონაბობის გეონაბობის გეონაბობის კაბი გეონაბობის :Solubility გეონაბობის  
 .R კაბის R გეონაბობის გეონაბობის

. გეონაბობის კაბი რეკომენდებულია :Category გეონაბობის

.ყველა გეონაბობის გეონაბობის გეონაბობის გეონაბობის :Storage გეონაბობის  
 გეონაბობის გეონაბობის გეონაბობის გეონაბობის :Additional information გეონაბობის გეონაბობის  
 .გეონაბობის გეონაბობის გეონაბობის გეონაბობის გეონაბობის

# REQUIREMENTS *Kchutskdzif*

ԲԱԼԻ ԲՏ %97.0 ԺՅ ԾՕԼ Բ Ի՞Ն շՂՂԱՀՕԾձ յՀԷԾԻԾ ց՛ԱՂԱԼՈՒ ԲՀՉՕ :General requirement յԻԽԾձ ԲԵՄՈՂԾ  
 .ՇԱԾԾձ ցԱԽԻ ԲՈՒ լՀԺԺԱԾԻձ ԾՀԷԵՄ ՍC<sub>10</sub>H<sub>12</sub>CaN<sub>2</sub>Na<sub>2</sub>O<sub>8</sub> ԺՆ %102.0 ԺՅ

## Identification tests *ԽԻՆՅՈՒԷ ԼԵԲԴԻՈՂԷ*

ՕՆ 6 8ԻՐԼՏ ԾՂԻ ՍԽՏ (օ/Խ 100) Ի ԻԾԾԾձ ց՛ԱՂՈՔ ԺՆ ՕՆ 2.0 8ԻՐԼ ՍԾԻԽԻ ԺՆ ՕՆ 25 Ճ Խ 2.0 ԲԻՅԼ :A  
 .(C օՂՈՂՆԲԻ ԾԺԺԻ ԺՆ օՀՄԻձ ՏԱԽԻ) օձԱԾ ԾԻԾԾ ԾԼՍԾ ԺՕՏ Բ ՍԽՏ (օ/Խ 80) յՀԷԻՂՀԾԾ ԲԼԱՀԼ ԺՆ  
 ՍԽՏ (օ/Խ 75) յՀԷՈՂՂԻձ ց՛ԼՈՂԷՀԷՈՂ ԺՆ ՕՆ 0.15 8ԻՐԼ ՏՏ (օ/Խ 25) ՕԼԲԼԵՏԻձ ԲԼՈՀՄԾ ԺՆ ՕՆ 0.15 ԲԻ :B  
 .ԱԾԾԻ ԲՈՒ ԷՆԻՑԾձ ԲԽԻձ յՀԻԾձ ԲԽՈՂ ՍՂՈՂՆԲԻձ ցԱԽԻ ԺՆ Խ 0.05 ԾԻԾԲԷ ԷՆԻՑԾձ ԲԽԻձ յՀԻԽԻ օՀՄԻձ ԲՕԼ ԲՈՒ 8ԻՐԼՏ  
 ԲՀԻՕԾձ ՕՅԱՂՈԾձ օՀՕԳ շՈՂԳ ցԱՍԷ ԲՈՒ ցԱՍԷ ՏՏ (օ/Խ 100~) ԲԷՈՂՂԻձ A օՂՈՂՆԲԻձ ԲԻԽԻձ օՀՄԻձ ԲՈՒ 8ԻՐԼ :C  
 ց՛ԱՂԱԼՈՒ ԺՅ ցԱԷՄ) օԻՐԷձ ԾԻԾԾ յՈՂԻ ՍԽՏ (օ/Խ 25) յՀԷՈՂՂԻձ ց՛ԲԻԾԾԻձ ԺՆ ՕՆ 5 8ԻՐԼ .R օԼԲԼԵՏԻձ ԲԽԻՆ ԾԷՈՀԷ  
 .(ՅՀԼԱՀՕԾձ ԽԾԼՈՂ

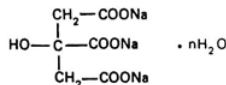
General ԾՆԻԽԾձ 8ԻԽՈՂԷՐԻձ ց՛ՂՈՂՆԻձ" յՀԻԽՅ ԾՕ 8ՀԾՈՂ շԼ ԻԽԾ յՀԼԱՀՕԾձ ԾԺԺԻ ԺՆ օՂՈՂՆԲԻձ օձԱԺԺԻ ԲԼՅ :D  
 ԾԷԽԾ (ՕԽԻԼ) ԲԷՆԻՂ ՍԽ ՕՅԱՂՈԾձ յԲԻԾԷԻձ ԲԷՈՒ .ցԱԷՄ ց՛ԽՅԻԱԾ ԽՍԽԼ Ս(123 ԾԽԱՕԾձ Ս1 ԲԵՕԻ) "identification tests  
 .ՏՏ (օ/Խ 60~) ՕԷՈՂԻձ ԲԽ Ճ ԾՂԻՅԾձ ԲԻՅԼՏ ԾԵԵԷ

օՂՈՂՆԲԻձ" յՀԻԽՅ ԾՕ 8ՀԾՈՂ շԼ ԻԽԾ Խ 1.0 ՕԽԽԷԼ օՂՈՂՆԲԻձ օՀՄԻձ ԾԻԽՈՂ :Heavy metals ԾԵԷՅԾձ յԲԻԽԻձ  
 ՉՀՈՂ ԺՆԽԼ Ս(127 ԾԽԱՕԾձ Ս1 ԲԵՕԻ) ՕԻԻՅԾձ օձԱԺԺԻ "Limit test for heavy metals ԾԵԷՅԾձ յԲԻԽԻձ ՕԺԽԻ ԲԼԵՏԻ  
 .Խ/ԽԲԺԺՏԻՅԾձ 20 ԺՆ ԲՅԾԻձ յՀՕԼ Բ Ս(128 ԾԽԱՕԾձ Ս1 ԲԵՕԻ) A ԾՕԼԱՕԾձ ԲԷԷՄ ԾԵԷՅԾձ յԲԻԽԻձ  
 ԲԷՈՂՂԻձ ԺՆ ՕՆ 4Տ R յՀԷԻՂՀԾԾ ԲԼԱՀԼ ԺՆ Խ 1.0 8ԻՐԼ ՍԾԻԽԻ ԺՆ ՕՆ 50 Ճ Խ 1.0 ԲԻՅԼ :Cyanide ԲԷՈՂԷԾԾ  
 յՀՕԼ Բ ՍԳԷԳԻՏ ԾՕԷԲԻ ցԱԷՆ օձԱՕՈՂԷՄԾ օՂՈՂՏ ՍԽՏ (օ/օՀՆ 0.01) ԾԻԾԾ ց՛ԱՂՈՔ ԺՆ ՕՆ 0.10Տ ՏՏ (օ/Խ 100~)  
 ՕՆ 1.0Տ ՏՏ (օ/Խ 130) ՕԼԲԼԵՏԻձ ԲԽ ԺՆ ՕՆ 1 շՂՂ ԲՀՉՅ ԲՕԲԷԽՆ օՀՄԻձ Ճ ԲՀԺՀԽԻձ ՕԻԷ ԺՆ ՕԷԻ յԻԼԱԾձ յՀԽՑԾ  
 .ՅՏ (օ/օՀՆ 0.1) ԾԻԾԾ ց՛ԱՂՈՔ ԺՆ ՕՆ 0.10Տ օԽԻձ ԺՆ ՕՆ 9Տ ՅՏ (օ/օՀՆ 0.0001) ՕԼՈՀՄԾՏՕԲԷԽԻձ ԲԽ ԺՆ  
 .ԽԻՆՈՒ ցԱԳԻՏ ԾՕԷԲԻ ցԱԷՆ ԲՕՈՂԷԾ օՂՈՂ յԻձ ԲԷԺ օՀՄԻձ ԲՕԼ

ԾՂԾԻձ ԺՆ ՕՆ 10 8ԻՐԼ ՍԾԻԽԻ ԺՆ ՕՆ 20 Ճ Խ 5.0 ԲԻՅԼ :Disodium edetate յՀԼԱՀՕԾձ ԽԾԼՈՂ ց՛ԲԷԽԱԼՈՒ  
 0.1) յՀԼԱՑԻՅԻձ ԲԼՈՀՄԾ 3Ն ԲԼԻԽԼՏ ՍՐ ԲԽԻՆ յԼԻՆ 11 mordant black ՆԷԲԻՂ ԲՀԷՈՒ ԺՆ Խ 0.2Տ ՏՏ2 ԲԷՈՂՂԻձ  
 .ՅՏ (օ/օՀՆ 0.1) յՀԼԱՑԻՅԻձ ԲԼՈՀՄԾ ԺՆ ՕՆ 1.5 ԺՆ ԲՅԾԻձ ԲԷՅՕԼ Բ .ՅՏ (օ/օՀՆ  
 ԾՕ 8ՀԾՈՂ շԼ ԻԽԾ օՀՄԻձ ԲԼԻՂ օԽԻձ ԺՆ ՕՆ 40 Ճ ԾՂԻՅԾձ ԲԻՅԼՏ Խ 0.5 (ՕԽԻԼ) ԲԷՆԼ :Iron ԲԼԵՏԻ



:Graphic formula  $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$



$n = 0$  (anhydrous)  
 $n = 2$  (dihydrate)

:Chemical name  $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

Trisodium citrate; trisodium 2-hydroxy-1,2,3-propanetricarboxylate; CAS Reg. No. 68-04-2 (anhydrous).

Trisodium citrate dihydrate; trisodium 2-hydroxy-1,2,3-propanetricarboxylate dihydrate; CAS Reg. No. 6132-04-3 (dihydrate).

:Description  $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

:Solubility  $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

:R K<sub>0</sub> TS (o/h)

:Category  $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

:Storage  $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

:Labelling  $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

:g<sub>0</sub>ET<sub>0</sub>  $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

:Additional information  $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

# REQUIREMENTS $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

:General requirement  $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

$\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

:Identification tests  $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

General  $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

"identification tests  $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

:O<sub>0</sub>/I<sub>0</sub> 20

General  $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

"identification tests  $\text{C}_6\text{H}_5\text{O}_2\text{Na}_3$

օճՊոնրի" յիշ3 ԿՕ 8 շօշն շԷ և 1.0 ՕՏԻՊԷԼ օճՊոնրի օշԻՂ ԿՐԽՊօ : **Heavy metals** ՇԿԵՕՅօօ յիշիտ  
 ՉշԴՂ ԺՊԻԼ Ս(127 ԳԽԱՕօօ Ս1 ՅԻՕի) օճյի օճԱԾԶԳի "Limit test for heavy metals ՇԿԵՕՅօօ յիշիտ ՕԾԶ ՅԵՏի  
 .հ/յիճԳսՏՏՈն 10 Ժն ԱՅՕՍ յշՕԼ Բ Ս(128 ԳԽԱՕօօ Ս1 ՅԻՕի) Ա ԳՕԼԱՕօօ ՅԵՄ ՇԿԵՕՅօօ յիշիտ  
 (օ/հ 420~) ՅԼօշԻՏօճԷԻՏի ՐԲ Ժն Օն 3 8 ՌԼ Սօճի Ժն Օն 4 Շ հ 0.5 օճՕԼ : **Oxalates** ցԲԷՏօճյի  
 ՕճԷօօ ԴԷՕԼ ՍԳՕԷթ 2 ցԷն օճԱՕՕԷԻՍ ՕՏՕԼ .ցԷցի ԳՕԷթ ցԷն Սճն յիՐ Շ ԺԷԼի ՍՐ ՅԵԳի ՕՓԱօ Ժն հ 15 TS  
 ճԽԼ . յիՅՕօ շՅՕց ԺԷԼի ՍԽ (օ/հ 10) ԺԼճճԷԼ ՕՐԷՏՏ ՅԼօշԻՏօճԷԼ Ժն Օն 0.25 ԲշՅ օճՊոնի օշԳՊ Շ  
 Օն 0.25 Յ 3ԳՕԼ Ս(օ/հ 420~) ՕճՂԻՏօճԷԻՏի ՐԲ Ժն օճՏն ԼԾց 8 ՌԼ ՍԾԾԶՓԷն ԳճշՍԷՍ ԲՍ ՕՕԼ ՍՊԻԼԷ  
 յշՕԼ Բ յՕԼ ՍԺճԶԾՍ յշՕ ԲՍ ՍԳՕԷթ 30 ցԷն օճԱՕՕԷԻՍ ՕՏՕԼ ցՏԼ .TS (օ/հ 50) յշԼԷՏԶՏ ՅԽԷՏ ԲԿշ Ժն  
 .TS (օ/հ 0.05) ՕճԷԷՏօճյի ՐԲ Ժն Օն 4 ԲՏԻՏի ԳՐճ ԳՕԼԱՕի Շիտ օշԻի Օճ յշՕ Ժն ցԷՍ ԱՅՕՍ  
 ՍճԼճ Ժն ԲիՂի օճի Ժն Օն 10 Շ հ 1 օշԻՂ յշՕԼ : **Clarity and colour of solution** օշԻի յշՕ օճԱՕօօ  
 . յշԻՏ ՇԷՅ ՊԷՏ Ր յշՏՏՏ ՅԷԷՕՍ  
 Determination of water by ԱԻԷ օճՏ ԳՕԼԱՕի օճի ԿԷԽ" յիշ3 ԿՕ 8 շօշն շԷ և 1.0 ԺՊԼ : **Water** օճի  
 Ժն հ 1 ԳճԷ յԷՏՕԷԼ ՍճնԻՏ ՕՕԻՏ ՕԾՍ Ժն Ս(145 ԳԽԱՕօօ Ս1 ՅԻՕի) Ա ԳՕԼԱՕօօ "the Karl Fischer method  
 ՕՕԼ Բ ՍԳճի Ժն հ 0.3 ԳճԷ յԷՏՕԷԼ ցՏՏԷՏ ՍճԼճ ՕՕԻՏ ՕԾՍ Ժն .հ/ն 10 Ժ3 օճի ՉշԴՂ ՅԼԼ Բ ՍԳճի  
 .հ/հ 0.13 Ժ3 ՅԼԼ ԲՏ հ/հ 0.10 Ժ3 օճի ՉշԴՂ  
 Ր յշՏՏՏ ՅԷԷՕՍ ՍճԼճ Ժն ԲիՂի օճի Ժն Օն 10 Շ հ 1 օճՕԼ : **Acidity or alkalinity** ԳշԻՕօօ ՏՍ ԳշԶԽ  
 (օ/օշն 0.1) ՕճՂԻՏօճԷԻՏի ՐԲ Ժն Օն 0.2 Ժն ԱՅՕՍ ՅԵՍՕԼ Բ ՍԽ օշՓՅՍ/ԿՏՏՅ օշԷշ Ժն Օն 0.1 8 ՌԼ  
 .օշԻի յշՕ ԿԷՑՅ vs (օ/օշն 0.1) յշԼճՕօ ՅԷԷՏօճԷԼ Ժն Օն 0.2 ՏՍ vs  
 ԺԷԼ ՍՐ1 ՍԾԻՅօօ ՕՐԷթի ՐԲ Ժն Օն 20 Շ ՍԳշՅՐն Գճճշն Սի 0.15 ԳճԷ օճՕԼ : **Assay** ԳԷԼԱՕի  
 ԿՏԺ օշՅԼ-1 Ժն Օն 0.25 8 ՌԼ ՍԳՏՏ ճՏճ ԾԾՏՏ ՍԺ ճԷՏ ՕՏՕԼ ՍԵՅՏ ճՏճ ճՏՏՏ շՅՕ  
 ՉՅ օշՕՏի շՅՕ vs (օ/օշն 0.1) ՕճՂԻՏօճԷԻՏի ՐԽ ՍճԼի ՍԽ ՕՐԷթի ՐԲ Լ(1-naphtholbenzein)  
 ՅԻՕի) Ա ԳՕԼԱՕօօ Ս "Non-aqueous titration ՍճնԻՏ ՍԷշ Շ ցՏՏիտ" յիշ3 ԿՕ 8 շօշն շԷ և 1.0 ԱՐն յշՕ  
 .C<sub>6</sub>H<sub>5</sub>Na<sub>3</sub>O<sub>7</sub> Ժն Պի 8.603 յշՕՕԼ vs (օ/օշն 0.1) ՕճՂԻՏօճԷԻՏի ՐԲ Ժն Օն 1 ՕՏ .(142 ԳԽԱՕօօ Ս1

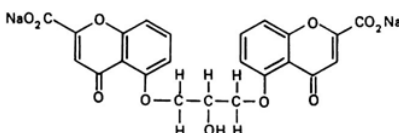
## NATRII CROMOGLICAS

Sodium Cromoglicate !NjɔŋTɪɛ l f i ɪ+ɜNjɔɜNjɪɪ

C<sub>23</sub>H<sub>14</sub>Na<sub>2</sub>O<sub>11</sub> :Molecular formula ԳԷԼԱՇ ԳԷՕօ

512.3 :Relative molecular mass  $\check{\text{G}}\check{\text{E}}\check{\text{C}}\check{\text{E}}\check{\text{A}}\check{\text{O}}\check{\text{A}} \check{\text{G}}\check{\text{E}}\check{\text{A}}\check{\text{A}}\check{\text{Z}}\check{\text{A}} \check{\text{G}}\check{\text{Y}}\check{\text{Q}}\check{\text{O}}\check{\text{O}}\check{\text{A}}$

:Graphic formula  $\check{\text{G}}\check{\text{E}}\check{\text{Q}}\check{\text{A}}\check{\text{E}}\check{\text{G}}\check{\text{t}}\check{\text{A}} \check{\text{G}}\check{\text{O}}\check{\text{E}}\check{\text{O}}\check{\text{O}}\check{\text{A}}$



:Chemical name  $\text{U}\check{\text{a}}\check{\text{A}}\check{\text{E}}\check{\text{t}}\check{\text{E}}\check{\text{O}}\check{\text{O}}\check{\text{A}} \text{J}\check{\text{e}}\check{\text{r}}\check{\text{A}}$

Disodium 5,5'-[(2-hydroxytrimethylene)dioxy]bis[4-oxo-4H-1-benzopyran-2-carboxylate]; disodium 5,5'-[(2-hydroxy-1,3-propanediyl)bis(oxy)]-bis[4-oxo-4H-1-benzopyran-2-carboxylate]; CAS Reg. No. 15826-37-6.

. $\text{C}\check{\text{o}} \check{\text{G}}\text{H}\check{\text{u}}\check{\text{a}}\check{\text{O}} \text{f} \check{\text{U}}\check{\text{R}}\check{\text{E}}\check{\text{a}}\check{\text{U}} \check{\text{B}}\check{\text{o}}\check{\text{Z}}\check{\text{Y}}\check{\text{a}} \check{\text{a}}\check{\text{Z}}\text{H}\check{\text{U}}\check{\text{E}}\check{\text{U}}$  :Description  $\text{Z} \check{\text{o}}\check{\text{Z}}\check{\text{O}}\check{\text{A}}$

$\check{\text{o}}\check{\text{Z}}\text{q}\check{\text{A}}\check{\text{Z}}\check{\text{A}}\text{q}\check{\text{A}} \check{\text{Z}} \check{\text{A}}\check{\text{E}}\check{\text{D}}\check{\text{Z}} \text{J} \check{\text{A}}\check{\text{E}}\check{\text{S}}\check{\text{O}}\check{\text{O}}\check{\text{A}} \check{\text{G}}\check{\text{E}}\text{H}\check{\text{U}} \check{\text{U}}\check{\text{R}} \check{\text{o}}\check{\text{Z}}\text{q}\check{\text{A}}\check{\text{Z}}\check{\text{E}}\check{\text{t}}\check{\text{A}} \check{\text{Z}} \text{J} \check{\text{A}}\check{\text{E}}\check{\text{S}}\check{\text{O}}\check{\text{O}}\check{\text{A}} \check{\text{G}}\check{\text{E}}\text{H}\check{\text{U}} \check{\text{U}}\check{\text{O}}\check{\text{A}}\check{\text{t}}\check{\text{A}} \check{\text{Z}} \text{J} \check{\text{A}}\check{\text{E}}\check{\text{S}}\check{\text{O}}\check{\text{O}}\check{\text{A}} \check{\text{A}}\check{\text{g}}$  :Solubility  $\check{\text{G}}\check{\text{E}}\check{\text{Q}}\check{\text{A}}\check{\text{E}}\check{\text{S}}\check{\text{O}}\check{\text{O}}\check{\text{A}}$

.R  $\check{\text{K}}\check{\text{o}}\text{J}\check{\text{A}}\check{\text{S}} \text{R} \check{\text{y}}\check{\text{o}}\check{\text{Z}}\check{\text{Z}}\check{\text{o}}\check{\text{Z}}\check{\text{Y}}\check{\text{O}}\check{\text{O}}\check{\text{A}} \check{\text{Z}} \check{\text{H}}\check{\text{E}}\check{\text{Y}}\check{\text{t}}\check{\text{Z}} \check{\text{A}} \check{\text{A}}\check{\text{S}}\check{\text{A}} \check{\text{K}}\check{\text{d}} \check{\text{U}}\check{\text{T}}\check{\text{S}} (\check{\text{o}}/\check{\text{h}}750\sim)$

. $\text{f}\check{\text{K}}\check{\text{U}}\check{\text{Q}}\check{\text{E}}\check{\text{E}}\check{\text{T}}\check{\text{A}} \check{\text{A}}\check{\text{A}}\check{\text{R}}\check{\text{U}} \check{\text{o}}\check{\text{A}}\check{\text{S}}\check{\text{A}}$  :Category  $\check{\text{G}}\check{\text{A}}\check{\text{A}}\check{\text{O}}\check{\text{O}}\check{\text{A}}$

. $\check{\text{o}}\check{\text{Z}}\check{\text{R}}\check{\text{O}}\check{\text{A}} \text{d}\check{\text{U}} \check{\text{G}}\check{\text{E}}\check{\text{t}}\check{\text{T}}\check{\text{S}} \check{\text{U}}\check{\text{y}}\check{\text{A}}\check{\text{O}}\check{\text{g}}\check{\text{U}}\check{\text{A}} \check{\text{C}}\check{\text{O}}\check{\text{Y}}\check{\text{O}}\check{\text{U}} \check{\text{G}}\check{\text{A}}\check{\text{S}}\check{\text{A}}\check{\text{g}} \check{\text{Z}} \check{\text{y}}\check{\text{Z}}\check{\text{A}}\check{\text{Z}}\check{\text{O}}\check{\text{O}}\check{\text{A}} \check{\text{g}} \check{\text{A}}\check{\text{O}}\check{\text{E}}\check{\text{Y}}\check{\text{d}}\check{\text{Z}}\check{\text{U}}\check{\text{S}}\check{\text{A}}\check{\text{O}} \check{\text{S}}\check{\text{A}}\check{\text{g}} \check{\text{A}}\check{\text{E}}\check{\text{Z}}$  :Storage $\text{d}\check{\text{U}}\check{\text{A}}\check{\text{A}}\check{\text{Q}}\check{\text{O}}\check{\text{O}}\check{\text{A}}$

. $\check{\text{G}}\check{\text{U}}\check{\text{A}}\check{\text{Q}}\check{\text{E}}\check{\text{U}} \text{g}\check{\text{A}}\check{\text{A}}\check{\text{U}} \check{\text{y}}\check{\text{Z}}\check{\text{A}}\check{\text{Z}}\check{\text{O}}\check{\text{O}}\check{\text{A}} \check{\text{g}} \check{\text{A}}\check{\text{O}}\check{\text{E}}\check{\text{Y}}\check{\text{d}}\check{\text{Z}}\check{\text{U}}\check{\text{S}}\check{\text{A}}\check{\text{O}}$  :Additional information $\check{\text{C}}\check{\text{G}}\check{\text{E}}\check{\text{Z}}\check{\text{A}} \check{\text{r}} \check{\text{U}} \check{\text{g}} \check{\text{A}}\check{\text{U}}\check{\text{Z}}\check{\text{Y}}\check{\text{H}}\check{\text{U}}$

#### REQUIREMENTS $\text{K}\check{\text{C}}\check{\text{h}}\check{\text{U}}\check{\text{T}}\check{\text{S}}\check{\text{K}}\check{\text{d}}\check{\text{Z}}\check{\text{f}}$

$\check{\text{A}}\check{\text{E}}\check{\text{A}}\check{\text{A}} \text{f}\check{\text{S}} \%98.0 \text{d}\check{\text{Z}} \check{\text{O}}\check{\text{O}}\check{\text{A}} \text{f} \check{\text{A}}\check{\text{U}} \check{\text{Z}}\check{\text{Y}}\check{\text{Z}} \check{\text{y}}\check{\text{Z}}\check{\text{A}}\check{\text{Z}}\check{\text{O}}\check{\text{O}}\check{\text{A}} \check{\text{g}} \check{\text{A}}\check{\text{O}}\check{\text{E}}\check{\text{Y}}\check{\text{d}}\check{\text{Z}}\check{\text{U}}\check{\text{S}}\check{\text{A}}\check{\text{O}} \check{\text{B}}\check{\text{Z}}\check{\text{Q}}\check{\text{O}}$  :General requirement  $\check{\text{y}}\check{\text{A}}\check{\text{H}}\check{\text{O}}\check{\text{A}} \check{\text{A}}\check{\text{E}}\check{\text{Y}}\check{\text{U}}\check{\text{Q}}\check{\text{U}}\check{\text{t}}\check{\text{A}}$

. $\check{\text{G}}\check{\text{A}}\check{\text{A}}\check{\text{O}}\check{\text{A}} \text{g}\check{\text{A}}\check{\text{t}}\check{\text{A}} \check{\text{B}}\check{\text{U}} \check{\text{t}}\check{\text{Z}}\check{\text{D}}\check{\text{Z}}\check{\text{A}}\check{\text{O}}\check{\text{A}}\check{\text{A}} \check{\text{G}}\check{\text{A}}\check{\text{Z}}\check{\text{E}}\check{\text{T}} \check{\text{U}}\text{C}_{23}\text{H}_{14}\text{Na}_2\text{O}_{11} \text{d}\check{\text{U}} \%101.0 \text{d}\check{\text{Z}}$

:Identification tests  $\text{h}\check{\text{U}}\check{\text{I}}\check{\text{N}}\check{\text{J}}\check{\text{N}}\check{\text{U}}\check{\text{E}} \text{I} \check{\text{E}}\check{\text{P}}\check{\text{F}}\check{\text{G}}\check{\text{H}}\check{\text{Q}}\check{\text{E}}$

.D $\check{\text{S}}$  C $\check{\text{S}}$  B  $\check{\text{g}}\check{\text{A}}\check{\text{O}}\check{\text{A}}\check{\text{Q}}\check{\text{U}}\check{\text{N}}\check{\text{E}}\check{\text{A}} \check{\text{S}}\check{\text{U}} \text{D}\check{\text{S}}$  A  $\text{J}\check{\text{A}}\check{\text{O}}\check{\text{A}}\check{\text{Q}}\check{\text{U}}\check{\text{N}}\check{\text{E}}\check{\text{A}} \check{\text{E}}\check{\text{G}}\check{\text{U}}\check{\text{A}} \text{J}\check{\text{U}} \text{d}\check{\text{O}}\check{\text{E}} \bullet$

Spectrophotometry in  $\check{\text{o}}\check{\text{A}}\check{\text{A}}\check{\text{t}}\check{\text{S}}\check{\text{A}} \check{\text{K}}\check{\text{O}} \check{\text{G}}\check{\text{O}}\check{\text{U}}\check{\text{A}}\check{\text{t}}\check{\text{A}} \check{\text{Z}} \text{U}\check{\text{a}}\check{\text{Z}}\check{\text{R}}\check{\text{O}}\check{\text{A}} \check{\text{Z}}\check{\text{E}}\check{\text{O}}\check{\text{O}}\check{\text{A}} \check{\text{A}}\check{\text{A}}\check{\text{E}}\check{\text{S}}" \text{J}\check{\text{A}}\check{\text{Z}}\check{\text{A}}\check{\text{Z}} \check{\text{K}}\check{\text{O}} \check{\text{O}}\check{\text{Z}}\check{\text{O}}\check{\text{Z}}\check{\text{t}}\check{\text{A}} \check{\text{O}}\check{\text{A}}\check{\text{Q}}\check{\text{U}}\check{\text{N}}\check{\text{E}}\check{\text{A}} \check{\text{E}}\check{\text{G}}\check{\text{U}}\check{\text{A}} \text{:A}$

d $\check{\text{U}}$   $\check{\text{J}}\check{\text{K}}\check{\text{A}}\check{\text{O}}\check{\text{A}} \check{\text{Z}}\check{\text{E}}\check{\text{O}}\check{\text{O}}\check{\text{A}} \check{\text{Z}}\check{\text{U}} \check{\text{o}}\check{\text{A}}\check{\text{A}}\check{\text{t}}\check{\text{S}}\check{\text{A}} \check{\text{K}}\check{\text{O}} \check{\text{G}}\check{\text{H}}\check{\text{I}}\check{\text{J}}\check{\text{A}} \check{\text{I}} \check{\text{A}}\check{\text{O}}\check{\text{Q}}\check{\text{U}}\check{\text{A}} \check{\text{Z}}\check{\text{U}} \check{\text{E}}\check{\text{A}}\check{\text{U}}\check{\text{Q}}\check{\text{U}}\check{\text{A}} .(43 \check{\text{G}}\text{H}\check{\text{U}}\check{\text{A}}\check{\text{O}}\check{\text{O}}\check{\text{A}} \check{\text{U}}_1 \check{\text{A}}\check{\text{E}}\check{\text{Y}}\check{\text{O}}\check{\text{A}}) "the infrared region$

. $\check{\text{y}}\check{\text{Z}}\check{\text{A}}\check{\text{Z}}\check{\text{O}}\check{\text{O}}\check{\text{A}} \check{\text{g}} \check{\text{A}}\check{\text{O}}\check{\text{E}}\check{\text{Y}}\check{\text{d}}\check{\text{Z}}\check{\text{U}}\check{\text{S}}\check{\text{A}}\check{\text{O}} \check{\text{U}}\check{\text{H}}\check{\text{D}}\check{\text{Z}}\check{\text{A}}\check{\text{t}}\check{\text{A}} \check{\text{Z}}\check{\text{E}}\check{\text{O}}\check{\text{O}}\check{\text{A}} \check{\text{Z}}\check{\text{U}} \check{\text{S}}\check{\text{U}} \text{RS} \check{\text{y}}\check{\text{Z}}\check{\text{A}}\check{\text{Z}}\check{\text{O}}\check{\text{O}}\check{\text{A}} \check{\text{g}} \check{\text{A}}\check{\text{O}}\check{\text{E}}\check{\text{Y}}\check{\text{d}}\check{\text{Z}}\check{\text{U}}\check{\text{S}}\check{\text{A}}\check{\text{O}}$

$\check{\text{O}}\check{\text{O}}\text{H}\check{\text{U}}\check{\text{Q}}\check{\text{E}}\check{\text{t}}\check{\text{A}} \check{\text{G}}\check{\text{H}}\check{\text{O}}\check{\text{G}}\check{\text{O}}\check{\text{A}} \check{\text{E}}\check{\text{Z}}\check{\text{A}}\check{\text{Z}}\check{\text{Q}}\check{\text{K}}$  ."Related substances  $\check{\text{G}}\check{\text{O}}\check{\text{A}}\check{\text{I}}\check{\text{t}}\check{\text{A}} \check{\text{A}}\check{\text{A}}\check{\text{Z}}\check{\text{t}}\check{\text{A}}" \text{J}\check{\text{A}}\check{\text{Z}}\check{\text{A}}\check{\text{Z}} \check{\text{K}}\check{\text{O}} \check{\text{H}}\check{\text{O}}\check{\text{g}}\check{\text{f}} \check{\text{O}}\check{\text{Z}}\check{\text{O}}\check{\text{Z}}\check{\text{t}}\check{\text{A}} \check{\text{O}}\check{\text{A}}\check{\text{Q}}\check{\text{U}}\check{\text{N}}\check{\text{E}}\check{\text{A}} \check{\text{A}}\check{\text{T}}\check{\text{q}}\check{\text{A}} \text{:B}$

.C  $\check{\text{o}}\check{\text{Z}}\check{\text{Y}}+\check{\text{A}}\check{\text{A}} \check{\text{A}}\check{\text{Z}}\check{\text{E}}\check{\text{Y}}\check{\text{Z}} \check{\text{O}}\check{\text{O}}\text{H}\check{\text{U}}\check{\text{Q}}\check{\text{E}}\check{\text{t}}\check{\text{A}} \check{\text{O}}\check{\text{Y}}\check{\text{K}} \check{\text{Z}}\check{\text{U}} \text{g}\check{\text{A}}\check{\text{E}}\check{\text{I}}\check{\text{O}}\check{\text{A}}\check{\text{S}} \check{\text{A}}\check{\text{Z}}\check{\text{T}}\check{\text{t}}\check{\text{A}}\check{\text{S}} \text{J}\check{\text{A}}\check{\text{O}}\check{\text{t}}\check{\text{A}} \check{\text{Z}} \text{B} \check{\text{o}}\check{\text{Z}}\check{\text{Y}}+\check{\text{A}}\check{\text{A}} \check{\text{A}}\check{\text{Z}}\check{\text{E}}\check{\text{Y}}\check{\text{Z}}$

$\text{g}\check{\text{A}}\check{\text{U}} \check{\text{O}}\check{\text{A}}\check{\text{A}}\check{\text{Q}}\check{\text{E}}\check{\text{Y}}\check{\text{O}} \check{\text{O}}\check{\text{A}}\check{\text{Q}}\check{\text{K}}\check{\text{S}} \check{\text{U}}\check{\text{T}}\check{\text{S}}_1 \text{d}\check{\text{U}}\check{\text{K}}\check{\text{A}} \check{\text{U}}\check{\text{O}}\check{\text{Q}}\check{\text{U}} \check{\text{Z}}\check{\text{A}}\check{\text{E}}\check{\text{U}}\check{\text{J}} 4 \text{d}\check{\text{U}} \check{\text{O}}\check{\text{U}} 3 8\check{\text{A}}\check{\text{R}}\check{\text{A}}\check{\text{S}} \text{R} \check{\text{o}}\check{\text{Z}}\check{\text{q}}\check{\text{A}}\check{\text{Z}}\check{\text{E}}\check{\text{t}}\check{\text{A}} \text{d}\check{\text{U}} \check{\text{O}}\check{\text{U}} 0.5 \check{\text{Z}} \check{\text{U}}\check{\text{Y}}\check{\text{U}} 5 \check{\text{A}}\check{\text{A}}\check{\text{O}}\check{\text{A}} \text{:C}$

. $\check{\text{A}}\check{\text{E}}\check{\text{A}}\check{\text{E}}\check{\text{I}} \check{\text{A}}\check{\text{A}}\check{\text{O}}\check{\text{U}} \text{J}\check{\text{Z}}\check{\text{O}} \check{\text{J}}\check{\text{Q}}\check{\text{A}} \check{\text{U}}\check{\text{E}}\check{\text{A}}\check{\text{E}}\check{\text{A}} 5$









.TS (ò/ħ 750~) òzŋġġqā Ž jġsŋōā ĠEHuġ Ūōġā Ž jġsŋōā ġ :Solubility ĠEHġsŋōā  
 .ġġzŋ Žġzŋ :Category Ġġġā  
 .òzŋōā dŋ zŋz jġ Ūġġōġā Ġŋŋġ Ġġġā Ž jzġzŋōā Ġġġā Šġġ Ēz :Storage dġġġā  
 zŋ ō Ġġōā Ēz Ġzŋōġ Ūġġā .òzŋā Ž jzġzŋōā Ġġġā zŋġ :Additional information Ġzġġ Ū ġġzŋŋ  
 .Ġġġā ġġġā ġġzŋā Ž ŋġġ Ūŋġā Ġġġā .òzŋōā ā Ġġz zŋġ Ūġġā

# REQUIREMENTS Kġġġġf

dŋ Ġġġā fŋ %98.0 dŋ Ūŋ f Ġ zŋ jzġzŋōā Ġġġā Bzŋ :General requirement ŋġġā Ēŋŋġā  
 .Ġġġā ġġġā B ŋzŋġā Ġzġŋ ŪNaNO<sub>2</sub> dŋ %100.5

## :Identification tests ġġġġġ l ġġġġġ

General Ġġġā 8 ġġġġġ" jzġz Ųŋ 8zŋŋ zġ Ġġō jzġzŋōā ŪDzġ dŋ ŋġġġā ōġġġā Ēz :A  
 òzŋŋ ĠŲz ŋġġġġ zġ B Ūzġġā jġō āġ .ġġġ ġŲzġġ Ūŋġ Ū(123 Ġġġō Ū1 Ġŋŋ) "identification tests  
 .TS (ò/ħ 300~) Ūŋġġā Ųġ Ġġġġā Ųŋŋ Ūŋ/ħ 0.10  
 Ġġġā 3Ųā Ġġā ŪTS (ò/ħ 15~) Ūġġā ġġġġā dŋ Ūŋ 1.0 8ġġā ŋġā dŋ Ūŋ 1 Ž ġ 0.10 āġġ :B  
 .Ġġġ Ūŋġ jzŋ jġġ

ġġġ Ūŋŋ ŪTS (ò/ħ 100~) Ūŋzġġā Ųġ dŋ Ūŋ 1.0 8ġġā ŋġā dŋ Ūŋ 1 Ž ġ 0.20 āġġ :C  
 .āġġ jzŋ jġġ ŪTS āzġġġ dŋ ġġġ 3Ųā 8ġġā Ūŋġġġ Ġġġā ōġġ

Ġġġ ŪTS (ò/ħ70~) Ūŋzŋŋŋġā Ųġ dŋ Ūŋ 10 Ž ġ 1.0 āġġ :Heavy metals Ġŋŋŋā jġġġā  
 Ųŋ 8zŋŋ zġ Ġġō Ġġġā Ūŋġġ .Ūŋzŋŋŋġā Ųġ Ġġġā ŋŋġ zŋġġ Ūġġ ŋġ 8ġġā zŋġ  
 Ġġġō Ū1 Ġŋŋ) 1 ōġġġā Ēġŋ "Limit test for heavy metals Ġŋŋŋā jġġġā ŪDzġ Bġŋā ŋġġġā" jzġz  
 .ġ/ŋġġġġ 20 dŋ Ġŋŋ jzŋġ f Ū(128 Ġġġō Ū1 Ġŋŋ) A Ġġġġġ Ųŋzŋ Ġŋŋŋā jġġġā dŋ Ųzŋġā kġġ Ū(127  
 Ųġ dŋ Ūŋ 2ŋ ŋġā dŋ Ūŋ 3 dŋ jġġā Ž ġ 2.5 zŋŋ Ūŋġġġā òzŋŋ KŲġġ :Chlorides ġġġŋŋōā  
 Limit ġġġŋŋōā ŪDzġ Bġŋā ŋġġġā" jzġz Ųŋ 8zŋŋ zġ Ġġō zŋġġ Ūġġ ŪTS (ò/ħ 1000~) Ūġġā  
 .ġ/ŋŋ 0.1 dŋ ġġŋŋ Ųzŋŋ Ġġġā f Ū(124 Ġġġō Ū1 Ġŋŋ) "test for chlorides

Ūġġā 4 ġġġ R Ūġġā Ūŋŋŋġā Ġŋŋā āzŋ Ūŋŋ ġġġā ĠDzŋġā Zġz :Loss on drying ZġDzŋġā ŋġġā  
 .ġ/ŋŋ 5.0 dŋ Ġŋŋ ŋġġā jzŋġ f



. $\gamma$ złázÔöă ġ ĄĕșĂșĂQp ŪȳzłázÔöă ĄĕpĄĕ Ė ŌłKzșĂQp :Other names ?Ăñŭ đĀZŭ  
 .ŨĠĀĂŌĵ ĢĤăăĂöă ČĚ3 šŭ ĢĤăăĂöă ČĚ3 ŪġĀŁŢ ĢĕĀă ġăđzĀă šŭ ăzĤĤĖŋ :Description Z òzòă  
 Ž ĤĚDZ ĵ ĄșŌöă ŌĖĕ ŪTS (ò/ĥ750~) òzĤĹĵĵă Ž ĵ ĄșŌöă ĢĤĤŭ ŪđĀĵă Ž ĵ ĄșŌöă Ĥġ :Solubility ĢĕpĀșŌöă  
 .R ȳđzșđzŌöă  
 .ȳĀöă Ū8ř ĤzĀñ đăšă :Category ĢĀĂăă  
 .đzĤăă đŋ ĤŁ3 ĵ Ūș ŪȳĀŌġăă ĢŌȳ8ŋ ĢĀșĀġ Ž ȳzłázÔöă ĄĕșĂșĂQp ŠĀġ Ąz :Storage đĀĂĀŌöă

# REQUIREMENTS KChúŤŠKđz!f

đ3 ĄĀĀł łș %99.0 đ3 ŌŌł ł Āŋ ȳzłázÔöă ĄĕșĂșĂQp BzŌ3 :General requirement ȳĀĤăă ĄĖŪŌĵă  
 .ĢĕĀŋŸăă ġĀĵă Bŭ łzDZĂđĀă ĢăzĖŢ ŪNa<sub>2</sub>[Fe(CN)<sub>5</sub>NO] đŋ %100.5

## :Identification tests ĤŭŊŊŨŪĖ Ĥ ĖĤŢĢŢĖ

ĤĚġ ŪĂŌŋzĤĵ 600ș ĂŌŋzĤĵ 350 kĕ ĢDZŋ đăzŭă ĄĒĀĬĀ ĀŋĄĀ3 ŪŌŋ/ŋŷŋ 4 òzŷŢ Ĥ ĀŌŋă Zĕŭ BĄĒĀ :A  
 .ŨĠĀĂŌĵ 1.10 đŌĒ ĢDZŢăă òzŭ ĄĀ3 Ĥĕ Ĥ ĢĀĀă ĢŌĢŌ Ĥ ĀĤŌă ŋŷĠĀș ŪŨĠĀĂŌĵ ĂŌŋzĤĵ 395 ĢDZŋ òzŭ ĄĀ3 ĤĕŢ3ŭ  
 General ĢŋĀĤăă 8 đĀĤŌĕřăă ġăđĀŌŋă" ĵĀĀ3 ĢŌ 8zđzŋ zĒ ĀĤđ ȳzłázÔöă ŌDZŭ đŋ đĀŌŋřăă đăĀDZŭ ĄĀ3 :B  
 òzŷŢ ĀĤ3 ȳĄĀŌĖĵă zĒ B Ō3ĀĂŌăă ĵĀđ đăŭ .ġĄĕŭ ġŸ3ĀĀĵ ĤŪĤĀ Ū(123 ĢĤĀŌăă Ū1 ĄĖŌă) "identification tests  
 .TS (ò/ĥ 300~) ŌĖđĵă ĤĤ Ģŭ ĢŭĀĕză ĤĕŢ Ōŋ/ĥ 0.10  
 80~) ȳzłázÔöă ĄĒĖđșđĒĒ đŋ Ōŋ 0.5ș R ĵzŖĖĵăă đŋ Ōŋ 1 8ĀĤĀ ŪđĀĵă đŋ Ōŋ 2.0 Ž ŋŷŋ 5 đĀŌĀ :C  
 .ĢăzDZđĵăă Bŭ ĵzŷăă đĄĢĀ ŪTS (ò/ĥ 300~) ŌĖđĵă ĤĤ đŋ Ōŋ 2 ĢăăĄĕ 8ĀĤĀ .BĀŌĵăă ĵzđ ĵŖĀ ŪTS (ò/ĥ  
 30ș TS (ò/ĥ 130~) ŌĀĂŌăă ĤĤ đŋ Ōŋ 2 đŋ Zŭŋŋ ĵĀĀŋ Ž ĥ 1.20 đĀŌĀ :Chlorides ġăĄĀŌzŷŌöă  
 "Limit test for chlorides ġăĄĀŌzŷŌöă ŌDZĵ BĄŠăă đĀŌŋřăă" ĵĀĀ3 ĢŌ 8zđzŋ zĒ ĀĤđ 3ăĀĀș ŪđĀĵă đŋ Ōŋ  
 .ĥ/ŋŷŋ 0.2 đ3 ĄĒŌzŷŌöă ŤzŖŢ ĄĀĀł ł Ū(124 ĢĤĀŌăă Ū1 ĄĖŌă)

ŌDZĵ BĄŠăă đĀŌŋřăă" ĵĀĀ3 ĢŌ Zđș ĀĤđ ŽĀĤĀș ŪđĀĵă đŋ Ōŋ 40 Ž ĥ 5.0 đĀŌĀ :Sulfates ġĀĀŷĖăă  
 .ĥ/ŋŷŋ 0.1 đŋ ĄĴđŭ ġĀĀŷĖăă ŤzŖŢ ĵzŌł ł .(125 ĢĤĀŌăă Ū1 ĄĖŌă) "Limit test for sulfates ġĀĀŷĖăă  
 ŪĀDzĴ ŪTS Ū4.62 đĀĒĀă ŪȳzĖzŋĵăă ġĀŖĖŭ Ģăđăă đŋ Ōŋ 20 Ž ĥ 0.50 đĀŌĀ :Ferricyanide ĄĕpĄĕ BĢz  
 Ž Ū(Ōŋ /ȳăĀđșĂŌŋ 50) BđĀĤĤăă ĄĕpĄĕ BĢĀăă đŋ Ōŋ 1 B đĀĒăă Bŭ 8ĀĤĀ .Bș Ā kĀșĀĖŋ kăĀDZ Bŭ òzŷĤăă  
 ĄĒĀĬ ŲzŷŢ ĀĤ3 .Ōŋ 50 Bŭ đĀĵăă ZĄș ŪTS (ò/ĥ1) đșĢĀăă ȳzĖzŋĵăă ġĀĀŷĖ đŋ Ōŋ 5 kăĀĒăă Ÿđ Bŭ 8ĀĤĀ











. (h/yā'āds'ā'ōn 200) Թժժիժ ̄āz'j ̄ā Z

Ōn 30s TS (ō/h130~) Ōl'ā'ā'ōā R̄p Թn Ōn 2 Թn Z'ūn j'ā'ān Թn h1.25 ā'ā'ōl :Chlorides ց'ā'ā'ōz'Ō'ōā  
Ā'Ō'ā) "Limit test for chlorides ց'ā'ā'ōz'Ō'ōā ŌDZj B'ĀΣā ō'āq'n'f'ā" j'ā'ā'z' K'Ō 8z'ōzn z'ē ā'tō 3'ā'ā'ōs ō'ā'j Թn  
.h/ŋ'ŋ 0.2 Թn Ā'j'ō' ā'ōz'Ō'ōā Զ'ŋ' j'z'ōl f' Ū(124 ĠH'ā'Ō'ā Ū1

ō'āq'n'f'ā" j'ā'ā'z' K'Ō 8z'ōzn z'ē ā'tō 3'ā'ā'ōs ō'ā'j Թn 40 Z' ōz'ŋ' K'R'Ĥ'ō h1.0 y'ā'ā'ō'ēl :Iron ā'ā'ēΣā  
.h/yā'āds'ā'ōn 40 Թn ā'ā'ā f' Ū(129 ĠH'ā'Ō'ā Ū1 Ā'Ō'ā) "Limit test for iron ā'ā'ēΣ ŌDZj B'ĀΣā

g'ā'ā'ō Թn Ōn 0.15s R ōs'K'Ē'ŋ'ōā Թn Ōn 1 8'ā'ā'ā Ū'ō'ā'j Թn Ōn 10 Z' h'ō.5 ā'ā'ōl :Magnesium y'z'ā'ā'ōt'ā  
y'z'ā'ā'ō'ā ā'ē'ē'ōs'ō'ā'ēl Թn Ōn 5s TS (ō/h50) y'z'ēzn j'ā' ց'f'ā'ōs'j Թn Ōn 0.2s TS Titan yellow j'ā'ō'ō'ā  
5 Թn j'z'ō'ŋs Ō'ā'z' ū Զ'j Ō'ŋz' j'ā'ān j'z'ō Թn g'ā'ē' Ā'j'ō' j'z'ōl f' j'ā'ā' Ե'ā'ā'ē j'z'ō B'j Ū'z'ā's ŪTS (ō/h80~)  
.ō'ā'j Թn Ōn 5s TS (Mg Ōn/yā'āds'ā'ōn 10) B'ō'ā'ē'j y'z'ā'ā'ōt'ā Թn Ōn

Ե'ā'ā'ō Թn B'ā'j ā'ā'j Թn Ōn 10 Z' h'ō.50 ōz'ŋ' j'z'ōl :Clarity and colour of solution ōz'ŋ' ā'ā'ō  
.f' j'z'ō f's 8'ā'ō R j'z'ā'ō'ā ā'ē'ē'ō'j

Ō'ōz'ā'ē'ē'ā R̄p Թn Ōn 1 8'ā'ā'ā Ū'ō'ā'j Ōn 5 Z' h'ō.5 ā'ā'ōl :Reducing substances Ġ'ā'ā'ā'j ā'ā'z'j  
S'g'Y' f' Ū'ō'ē'ā 15 g'ā'ē' ā'ō'ē'ē' Ō'ā'ā' .vs (ō/ōzn 0.002) y'z'ē'ā'z'ōā ց'ā'ā'ā'K'ē Թn Ōn 0.20s TS (ō/h100~)  
.discoloration j'z'ō'ā Z' (ō'ā'ā) ō'ā'ē' B'j

ā'ā'z' K'ā'j'ōā j'ā'ōā B'j Z' g'ā'ē'g'ē' Ġ'ā'ē' g'ā'ē' ō'y'30 g'ō'ā'g' ĠDZ'ōā ā'ā'z' Z'ā'z :Loss on drying Z'ē'āDz'ō'āē' ā'ō'ā'ā  
.h/h'ō.57 Թn ā'ā'ā f's h/h'ō.52 Թn ā'ō'ā'ā Ō'ōl f' Ū'ō'y'130 g'ō'ā'g' ĠDZ'ōā

j'z'ā'ō'ā ā'ē'ē'ō'j Ե'ā'ā'ō Թn B'ā'j ā'ā'j Թn Ōn 10 Z' h'ō.5 ā'ā'ōl :Acidity or alkalinity Ġ'z'Ō'ōā s'j Ġ'z'z'Σā  
y'z'ā'ā'ō'ā ā'ē'ē'ōs'ō'ā'ēl Թn Ōn 0.5 Թn Ā'j'ō' ā'ē'Ū'ā f' ŪTS ōz'ā'z'j/ ōz'ē'z'ŋs'ēl Ġ'ōā Թn Ōn 0.1 8'ā'ā'ā R  
R̄p Թn Ōn 0.5 s'j vs (ō/ōzn 0.01) carbonate-free sodium hydroxide ց'ā'ā'ā'ō'ā Թn B'ā'j  
. (Ā'ā'n'j) ā'ā'ī'f' ū'ē'z'ōā ĠŪ'ā'ā Զ'j ōz'ō'Ĥ'ō vs (ō/ōzn 0.01) Ō'ōz'Ō'ōs'ō'ā'ē'ē'ā

R̄p Թn Ōn 10 8'ā'ā'ā Ū'ō'ā'j Թn Ōn 250 Z' Ū'ē'z'ō'ā' R'ē' Ġ'ā'z'ŋ Ū'ō.25 Ġ'ā'ā'ē ā'ā'ōl :Assay Ġ'ē'ā'ō'j  
.TS (ō/h50) y'z'ā'ā'ō'ā ā'ōz'Ō'ō Թn Ġ'ē'ā'ō Ġ'ē'ō 8'ā'ā'ā j'ā'ē'ōā Զ'ō'g' Ե'ā'ē'ā ŪTS (ō/h70~) Ō'ōz'Ō'ōs'ō'ā'ē'ē'ā  
g'ō'ā'g' ĠDZ'ōā ā'ā'z' ā'ā'ā's Z'ā' Ū'ō'ē'8k Ū'ā'ē'ā'ā 3'ē' .ā'ā'ē'g' Ō'ā'ā'ō'ā 3'ē' Ū'ō'ē'ā 30 g'ā'ē' Ե'ā'ŋ y'ā'f' Զ'j Ե'ā'ē'ā  
.Na<sub>2</sub>SO<sub>4</sub> Թn h'ō.608 ū'z'ōl Ġ'ō'ā'j'ōā Թn ā'ē'ā's y'ā'ā'ō Ō'ō .ō'y'600

## NATRII SULFAS ANHYDRICUS

Sodium sulfate, anhydrous  $\text{Na}_2\text{SO}_4$

$\text{Na}_2\text{SO}_4$  :Molecular formula

142.0 :Relative molecular mass

:Chemical name

Disodium sulfate; sulfuric acid disodium salt, anhydrous; CAS  
Reg. No. 7757-82-6 (anhydrous).

:Description

:Solubility

:Category

:Storage

:Additional information

### REQUIREMENTS

:General requirement

:Identification tests

General

20

General

.(123

123

123

45

Ammonium salts

.áóàí Ñ ÌÇÛ Ñ801 ÝÛ ÇÖÛÙÀÛ gÀNj Ì Ž R (gāĒĒ) ĞÜĀ Ē 5 áĀÇ Çęóş 3řřĸş ÜĴĀĀ dĀĒĒş R ŷřĒĒĸşÇōā  
 BĒΣā óĀÇĒñř" Jāz KŌ 8zðzŋ zĒ Ātō 3āĀĸş ōĀ Ē 35 Ž Ĥ2.0 òzŲ ĲĀĀĒĒ :Arsenic ÑĒóĀōā  
 .ŷāĀd/ŷāĀdşĀŌŋ 5 d3 ÑĒóĀōā 2zŲĒ ĒĀĀ Ē (130 ĞĤĀŌōā Ū1ĒŲŌā) "Limit test for arsenic ÑĒóĀōā ŌDZj  
 100) BŌĒĒĒ ŌĒzŲĀĸş ŷřĒĒĒ dŋ Ē 0.2 ĸŲŌĀĒ ĞŲŌĒ Ązĸj ŌŌĀ :Calcium ŷřĒĒĒōā  
 ŪġĒĸş ÇŌĒĒ ġĒ ĀŌŲĒ ŌĀĸş ŪTS (ò/Ĥ 25) ŷřĒzŋj ġřĒĒŲŲ dŋ Ē 1.5 8ĀĒĒ ŪTS (Ca Ōŋ/ŷāĀdşĀŌŋ  
 Bz3 ĒŲĒĒ Ązĸş ġĀĒ ŲzŲ Ųşj āzĸŲ 8ĀĒĒ .TS (ò/Ĥ120~) ŌĒĒj Ē Ē dŋ Ē 1 8ĀĒĒ Ž  
 ŪTS (Ca Ōŋ/ŷāĀdşĀŌŋ 10) BŌĒĒĒ ŷřĒĒĒ dŋ Ē 10 Ązĸş āzĸŲ 8ĀĒĒ ŪŲĒ dŋ Ē 15 Ž Ĥ0.22  
 ĒĒĒĒ ŌĒ d3 ġĒ ĀŲŲ Ųşj āzĸj Ž ŷřĒ8ōā JzŌ Ē ŪŲĒĒ 15 ĒĒ ĴŲ ŷřĒ BĒ ĒĒĒ. ŲĒ dŋ Ē 5ş  
 .(Ĥ/ŷāĀdşĀŌŋ 450) Ązĸş āzĸj Ž  
 30ş TS (ò/Ĥ130~) ŌĒĒĒ Ē Ē dŋ Ē 2 dŋ ŽŲŲ ĴĀĒ dŋ Ĥ 0.55 āĒŲ :Chlorides ġĒĒĒŲŲŲ  
 "Limit test for chlorides ġĒĒĒŲŲŲ ŌDZj BĒΣā óĀÇĒñř" Jāz KŌ 8zðzŋ zĒ Ātō 3āĀĸş ōĒ dŋ Ē  
 .Ĥ/ŲŲ 0.45 dŋ ĀŲŲ ĒĒŲŲŲ 2zŲĒ JzŌ Ē Ū(124 ĞĤĀŌōā Ū1 ĒŲŲ)  
 óĀÇĒñř" Jāz KŌ 8zðzŋ zĒ Ātō 3āĀĸş ŪŲĒ dŋ Ē 40 Ž ŲzŲ ĸĒĒŲŲ Ĥ0.44 ŷĀĀĒĒ :Iron ĒĒΣā  
 .Ĥ/ŷāĀdşĀŌŋ 90 d3 ĒĀĀ Ē Ū(129 ĞĤĀŌōā Ū1 ĒŲŲ) "Limit test for iron ĒĒΣ ŌDZj BĒΣā  
 dŋ Ē 0.15ş R ŲşĸĒĒŲŲ dŋ Ē 1 8ĀĒĒ ŪŲĒ dŋ Ē 10 Ž Ĥ0.22 āĒŲ :Magnesium ŷřĒĒĒŲ  
 ĒĒŲŲŲŲ dŋ Ē 5ş TS (ò/Ĥ50) ŷřĒzŋj ġřĒĒŲŲ dŋ Ē 0.25ş TS Titan yellow JĀŲŲŲ ġĀĒŲ  
 ŲĒŲ ŲŲ 2Ų ŲŲŲ ĴĀĒ JzŲ dŋ ġĒ ĀŲŲ JzŌ Ē ĴŲ Ązĸş JzŲ ŪŲĒŲ ŪTS (ò/Ĥ80~) ŷřĒĒŲŲ  
 .ŲĒ dŋ Ē 5ş TS (Mg Ōŋ/ŷāĀdşĀŌŋ 10) BŌĒĒĒ ŷřĒĒŲŲ dŋ Ē 5 dŋ JzŲŲŲ  
 Ązĸş dŋ BĒĒ ŲĒ dŋ Ē 10 Ž Ĥ0.22 ŲzŲ JzŌ :Clarity and colour of solution ŲzŲĒ JzŲ ŲĒŲŲ  
 .Ų JzŲ řş 8ĀŲ R JzĒŲŲŲ ĒĒŲŲŲ  
 ŌŲŲŲŲŲ Ē Ē dŋ Ē 1 8ĀĒĒ ŪŲĒ Ē 5 Ž Ĥ0.25 āĒŲ :Reducing substances ÇŲĀĒĒ āĒzĒ  
 ŞĸŲ Ē ŪŲĒĒ 15 ġĒ ĀŲŲŲ ŲĀĸş .vs (ò/ŲŲ 0.002) ŷřĒĒĸşġ ġĒĒĒŲ dŋ Ē 0.20ş TS (ò/Ĥ100~)  
 .discoloration JzŲŲ Ž (Ųşā) ŲĒŲŲ BĒ  
 50 dŋ ĀŲŲ ĒŲŲ JzŌ Ē ŪŲŲ130 ġŲĒĸş ĞDŲŲ ĒĒ ĴĒŲ Jāş BĒ ŽĒ :Loss on drying ŽĒDŲŲŲ ĒŲŲŲ  
 .Ĥ/ŲŲ  
 JzĒŲŲŲ ĒĒŲŲŲ Ązĸş dŋ BĒĒ ŲĒ dŋ Ē 10 Ž Ĥ0.22 āĒŲ :Acidity or alkalinity ĞĒŲŲŲ ŲŲ ĴřĒΣā



## Identification tests

1.0 8 ĤĤĤĤ 0̄η2 B̄0̄ .(ĤĤĤĤ C̄s B dĤĤĤĤĤĤ Ĥ Ĥ 0̄z̄ȳ+ā āŌĤ ŌĤĤĤĤ) 0̄ĤĤ dĤĤ 0̄η 10 Ĥ ĤĤĤĤ ȳāĤd ā āŌĤ :A  
.ĤĤĤĤ 0̄ 0̄z̄ȳ+ā 2 ŌĤĤ ŪTS (0̄/Ĥ50) ȳzĤĤĤĤĤ ĤĤĤz̄ȳĤ dĤĤ 0̄η 0.25 8 ĤĤĤĤ .0̄z̄ȳ+ā Jz̄ȳ 0̄sĤĤ ŪTS āz̄ȳĤ dĤĤ 0̄η  
d0̄z̄ ŪTS (0̄/Ĥ70~) ŌĤĤz̄ȳĤs0̄ĤĤĤ ĤĤ dĤĤ 0̄η 1.0 A 0̄ĤĤĤĤĤĤ ĤĤĤ+ā 0̄z̄ȳ+ā dĤĤ 0̄η 2 B̄0̄ 8 ĤĤĤĤ :B  
.(0̄ŌŌ 2Ĥz) ĤĤĤĤĤ dĤĤ ĤĤĤĤ ȳŌĤs ĤĤĤĤĤ ĤĤĤĤĤ ŪĤĤĤ ĤĤĤĤ ŪĤ  
ĤĤĤĤ Jz̄ȳĤ Ūvs (0̄/0̄z̄η 0.1) ĤĤĤĤĤ ĤĤĤĤ dĤĤ 0̄η 2 A 0̄ĤĤĤĤĤĤ ĤĤĤ+ā 0̄z̄ȳ+ā dĤĤ 0̄η 2 B̄0̄ 8 ĤĤĤĤ :C  
.0̄āz̄Ĥ Ĥ ŪĤĤĤĤ ĤĤĤĤ ĤĤĤĤĤ ĤĤĤĤĤ ĤĤĤĤĤ ĤĤĤĤĤ

ḠŋĀHōā 8 āĤQèrā ḡāōqñā" j̄zŁ ŖO 8zòzn zŁ ĩtō yzlázÔā ŌDZŭ dn óĀQnřā ?Ăz ĀĒÁ :D  
 ózŦ ĀŘZ B ŌzĀōā yĒĀQēī āēŧ .gĀř gYzĀĀ UŨĀ (123 ḠĤĀŌā Ū1 ĒYŌā) "General identification tests  
 .Ōŋ/hŏ.10

[illegible]

(ò/ñ<sub>130</sub>~) Ò<sup>1</sup>À<sup>1</sup>Q<sup>1</sup>À<sup>1</sup> R̃p ò<sup>1</sup> Ò<sup>1</sup> 2s ò<sup>1</sup> Ò<sup>1</sup> 20 ò<sup>1</sup> Z<sup>1</sup>ò<sup>1</sup> ÿ<sup>1</sup>À<sup>1</sup> Ž<sup>1</sup> ħ<sup>1</sup>.20 ā<sup>1</sup>À<sup>1</sup> :Chlorides ġ<sup>1</sup>À<sup>1</sup>ò<sup>1</sup>Ÿ<sup>1</sup>Ò<sup>1</sup> B<sup>1</sup>À<sup>1</sup>Σ<sup>1</sup> ò<sup>1</sup>Ÿ<sup>1</sup>ñ<sup>1</sup>r<sup>1</sup>" j<sup>1</sup>z<sup>1</sup>3 K<sup>1</sup> 8z<sup>1</sup>ò<sup>1</sup>z<sup>1</sup> z<sup>1</sup>Ĥ<sup>1</sup>ō Ġ<sup>1</sup>À<sup>1</sup>À<sup>1</sup> 3<sup>1</sup> 3<sup>1</sup>z<sup>1</sup>Q<sup>1</sup>s Ÿ<sup>1</sup>Ġ<sup>1</sup>À<sup>1</sup> Ÿ<sup>1</sup>À<sup>1</sup>À<sup>1</sup> Ÿ<sup>1</sup>Ĥ<sup>1</sup>ē<sup>1</sup> 4-3 ġ<sup>1</sup>À<sup>1</sup> Z<sup>1</sup>Ÿ<sup>1</sup> 2<sup>1</sup>8<sup>1</sup> Ÿ<sup>1</sup>TS .ĥ<sup>1</sup>/Ÿ<sup>1</sup>Ÿ<sup>1</sup> 0.2 ò<sup>1</sup>3 À<sup>1</sup>ò<sup>1</sup>Ÿ<sup>1</sup>Ò<sup>1</sup> P<sup>1</sup>z<sup>1</sup>Ÿ<sup>1</sup> À<sup>1</sup>À<sup>1</sup> r Ÿ<sup>1</sup>(124 Ġ<sup>1</sup>Ÿ<sup>1</sup>À<sup>1</sup>Ÿ<sup>1</sup> Ÿ<sup>1</sup>1 À<sup>1</sup>Ÿ<sup>1</sup>Ÿ<sup>1</sup>) "Limit test for chlorides À<sup>1</sup>ò<sup>1</sup>Ÿ<sup>1</sup>Ÿ<sup>1</sup> Ÿ<sup>1</sup>Ÿ<sup>1</sup>z<sup>1</sup>

ŮTS áẏẒōā dn̄ Ōñ 5 8 ĀĤĀ ŬōĤā dn̄ Ōñ 10 Ž ĥo.25 āāŌ :Sulfates and sulfites ġ ĀĤĀYĒōās ġ ĀĀYĒōā  
8zðzñ zĤ Ātō 3āĀŌ.ĤĀDZ Z ĤĤĤ ĤāĤ ĀĀōŮ JzŮ jŌĀ zŮŌġ ŬgĀŬē ĀŮ gĀŬē ŮTS áẏẒōā dn̄ ĀĀĀñ jĤĀŌōāz  
ŲzŮ ĀĀĀ Ĥ Ů(125 ĢĤĀŌōā Ů1 ĀYŌā) "Limit test for sulfates ġ ĀĀYĒōā ŌDZj BĀΣā ōĀŌñĤ" jzĤz ĤŮ  
.ĥ/ñ 2 d3 ġ ĀĀYĒōā

sodium    ȳʒłáʒÔöä ÄËèsÀîşÀöŋ ɔŋ Ōŋ 0.05 8ĤŔłş öĥŋ Ōŋ 10 Ž ĥ1 āāŌ :Sulfides ġāĒĒĀİĒöä  
 .ŊĒDzĒĒĒ öȳİ+ā ĠĠŌł ɾ ŮTS (ö/ĥ45) nitroprusside

R JZĀĀŌŏ ĄĖĖĖŌŭ ĢāĻŀ dŋ ĢĀĻā ōĀtā dŋ Ōŋ 10 Ž Ĥ1.0 ōZŲT JZŌĻ :Clarity and colour JZŲŏāš ōĀĀŌŏŏ .Ōŭ JZŭ rš 8ĀŌ

.8.4-6.0 ŪR JZĀĀŌŏ ĄĖĖĖŌŭ ĢāĻŀ dŋ ĢĀĻā ōĀtā Ž Ōŋ/Ĥ0.10 ōZŲT ōĀĻĀ :pH value ōĀĻĀŌŏŏ ĢtĖ  
0.05) iodine áZĖŏ Žŋ ĀĻĀĤā ōĀŋ Ōŋ 25 Ž ŪĢĖŭZĢŖŋ ĢŋšāZŋ ŪĤ0.5 ĢāĀĖ āāŌĻ :Assay ĢĖĻĀŌŲā  
ŭZĀŌĻ vs (ō/ōZŋ 0.05) áZĖŏ dŋ Ōŋ 1 ŌŌ .ġĀĻĀĤā ĢĻĀĖ ZŪ 8ĀĤĻ .ĀĤĬtŌ TS ĀĬĀŏ ŲāĖĀŲŏĖĀ vs(ō/ōZŋ  
.Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>·5H<sub>2</sub>O dŋ Žŋ 24.82

ŲŭsŌ ŭŲDŲŲtZŲĖ ŭŲŲ !NŲŲŲTĬĖ ĻŲZ†ZŲŲĤĻ ĤŲŲŲTā ĻŲĢŲŲDŲ

#### Additional Requirements for Sodium thiosulfate for parenteral use

.(56 ĢĤĀŌŏ Ū4 ĄŲŌŏ) "Parenteral preparations ĢĤĀŌΣā ġāĀŖĤŲĖtā" ġāšĀZĵ ĄĖDZŲĖĻ  
ōĀŲŏŇŲā" JāZĻ ĤŌ 8ZŌZŋ ZĻ ĀtŌ ōĀŲŏŇŲā ĖĢŪĻ :Bacterial endotoxins ĢĤŲŲĀZā ĢĖŲŲāĖŏā ġĀŲĀĻŌŏŏ  
Ū(ĢĀĖŲŲŲā ĢĀĖĀŏā Ž 30 ĢĤĀŌŏ Ū5 ĄŲŌŏ) "Test for Bacterial endotoxins ĢĖŲŲāĖŏā ĢĤŲŲĀZā ġĀŲĀĻŌŏā ŌDZĵ  
.ŲāĀŲ ŲŲŲtā Ž ĢĖšā ġĖġš 0.03 RS ŲŲŲāĖŏā JĀĀŲŏŏ dŋ ŲZŲ†ā āšĀDZŲĻ r

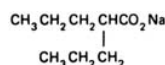
## NATRII VALPROAS

Sodium valproate !NŲŲŲTĬĖ Ļ ĖNŲĢŲŲŲZ

C<sub>8</sub>H<sub>15</sub>NaO<sub>2</sub> :Molecular formula ĢĖĀĀZā ĢŲĖŌŏā

166.2 :Relative molecular mass ĢĖĢĖĀŏā ĢĖĀĀZā ĢŲŲŌŏā

:Graphic formula ĢĖŲĀĖĢtā ĢŲĖŌŏā



:Chemical name ŲāĖtĖŲŌŏā ĻĖŲā

Sodium 2-propylvalerate; sodium 2-propylpentanoate; CAS

Reg. No. 1069-66-5.

.ŲĢĀĀŲĢ ĢĤāĀŏā ĢĖZ šŭ ĢĤāĀŏā ĢĖZ ŪŲĢĀĀŲĢ ŖĖāŭ šŭ ŪŖĖāŭ ŲŲZŲā āZĤĖŲŋ :Description ZŲŲŏā

.TS (ō/Ĥ750~) ōZŲĀŲĻŲāš ōĀtā Ž JĀšŲŏāā Ĥġ :Solubility ĢĖŲĀšŲŲŏā

.tĀŌŏā āĀŖŋ ōāšā :Category ĢĀĀŏā

.**Storage** **Additional information**

# REQUIREMENTS

**General requirement**

## Identification tests

**Heavy metals**

**Arsenic**

**Chlorides**

**Iron**









Ž āāĀĪqèrā ÛÛÛ ÒĤĤĀ .ĠŌēā 15 gāñ °y110 gōāĠ ĠDZōā ĀĤ3 dĀĒĸ ūTS BĀĀŌŌōō ĀĀōzĪŌ/ĤĀĀĀŌĀĒĒ ĀĤĤĤ3 ŌŌĤĤŌĒtā ŌŸĤ d3 gĀĪ ĀĴŌŪ ĴZŌĸ r kñĀĒĀōō ēāĀŪĸ A ōzŸ+Ā ĀĤĤĤ3 ŌŌĤĤŌĒ ĠĤŌē BĪ .ōĀĤĤĀōō ōzŸ .B ōzŸ+Ā

ŌĀōzĪŌsŌĀĤĤā Rē dñ Ōñ 3 8ĀRĸs ōĀñ Ōñ 200 Ž ĥ1 āāŌĀ :Content of sulfates ġĀĀŸĒōō PzŲŲ Ž dĀĒĒ .TS (ō/ĥ50) dñĀĒōō ŷzĀŌĠōō ĀĀōzĪŌ dñ Ōñ 25 8ĀRĸs ŪĴĀŸ8ōō zŌŲġ dĀĒĒ ūTS (ō/ĥ420~) ūzĀŌĀ ĠŌĀtĴōō Ž ŷāĀŌ ŌŌ .Ĵāzĸs ŪĀñĀĸ ŪZĀŌ ŪŌĀtĤĀ ŌĒ8ĸ ŪĠĀĒĒōō 3tŌ ŪŌĀĀĤŌōō 3ñ ġĴ3Āē 4 gāñ ĤĀñ ŷĀĤ .ĥ/ññ 310 d3 ĀĀĀĀ rŝ ĥ/ññ 250 d3 ġĀĀŸĒōō PzŲŲ ŌŌĀ r ŪġĀĀŸĒōō dñ Ĥñ 411.6

ĠĀzŲΣā ġĀĀĀRĤŷō ĠEDZŷŌŲŌōō ĠĒĀŌŲā" ĴzĀ3 ĶŌ 8zŌzñ zĒ ĀtŌ ĠĒĀŌŲā ēŲŲĸ :Assay ĠĒĀŌŲā NCTC) *Bacillus pumilus* (a) ĤñŪ ŷĀĀŲĒĒ Ū(155 ĠĤĀŌŌō Ū1 ĀŸŌŌ) "Microbiological assay of antibiotics ōĀĒĀē ŪĠŲŌŲ ġĀĀĒzŲ ĠŌōā Ū8.1-8.0 ĤĀĒ ōĀĒĀē 3ñ Cm1 tŌā Ūēš ŪŌĀŲñā ŷzŲĀDzŌ Ĥ8241; ATCC 14884 gŌāĠ ĠDZŌās Ū(ĀŌŌ ĤŸŲtĴ ŌŌ Ž ĠŌŌsā gĀġs 14s 2 kē gāĴ3) kĒĒĀñzĒĀōō dñ ĀĒĒĀñ ĀŲŌĀĸ ŪTS2 sŪ TS1 Ū8.0 ŪŌĀŲñā ŷzŲĀDzŌ (ATCC 29737) *Staphylococcus aureus* ĠĒĒŌŲā ĠĀāzŌĀĤōō ġŌŲŌŲā (b) sŪ ŪŌŷ39-35 ĠŲĀRġ dñ ĀĒĒĀñ ĀŲŌĀĸs ŪTS2 sŪ TS1 Ū8.0 ōĀĒĀē ŪĠŲŌŲ ġĀĀĒzŲ ĠŌōā Ū8.0-7.8 ĤĀĒ ōĀĒĀē 3ñ Cm1 tŌā Ūēš ĠĀāzŌĀĤōō ġŌŲŌŲā (c) sŪ ŪŌŷ39-35 ĠŲĀRġ gŌāĠ ĠDZŌās Ū(Ōñ1 ŌŌ Ž ĠŌŌsā gĀġs20s 2 kē gāĴ3) kĒĒĀñzĒĀōō 8.1- ĤĀĒ ōĀĒĀē 3ñ Cm1 tŌā Ūēš ŪŌĀŲñā ŷzŲĀDzŌ (ATCC 12228) *Staphylococcus epidermidis* ĠĀsĀĪŌōō ĠŌŌsā gĀġs2s 0.5 kē gāĴ3) kĒĒĀñzĒĀōō dñ ĀĒĒĀñ ĀŲŌĀĸs ŪTS2 sŪ TS1 Ū8.0 ōĀĒĀē ŪĠŲŌŲ ġĀĀĒzŲ ĠŌōā Ū8.0 ĠŌŌĀĤōō Ž ŪŪŲ gĀŲŲĤĴ āsĀΣā Ž ĠĒĀŌŲā Ġēā ŌŌĸ r .Ōŷ39-35 ĠŲĀRġ gŌāĠ ĠDZŌās (Ōñ 1 ŌŌ Ž ĠŌŌĀĤōō dñ %105 d3 ĀĒĀĸ rŝ %95 d3 (P = 0.95) fiducial limits of error of the estimated potency gŌŲŌŲā ĤŸŲtĴ Ž kĒĒĀñzĒĀōō dñ ĠŌŌsā gĀġs 600 d3 ŌŌĀ r (P = 0.95) gŌŲŌŲā ĠŌŌĀĤōō ŪŪñ ĀŲŲĤĴ BzŸŲōō ĀΣā .gŌŲŌŲā .ĠĀĀŌō gāĴtĴ BĪ tŲDZĀŌĀē ĠzŲĒŲ ŪŷāĀŲ

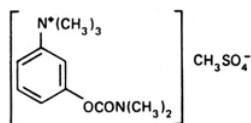
## NEOSTIGMINI METILSULFAS

Neostigmine metilsulfate DžžDžĤēzNjŲŲŲē lŲ2+z üŲĤDž

C<sub>13</sub>H<sub>22</sub>N<sub>2</sub>O<sub>6</sub>S :Molecular formula ĠĒĀĀzā ĠŌŲŌōō

334.4 :Relative molecular mass ĠŲĠĒĀōō ĠĒĀĀzā ĠŲŲŌōō

:Graphic formula ĠēŲĀēŲā ĠŌŲŌōō



:Chemical name **УаАЕтЕОоа Јѐрѝ**

(*m*-Hydroxyphenyl)trimethylammonium methyl sulfate di-methylcarbamate; 3-[[[(dimethylamino)carbonyl]oxy]-*N,N,N*-trimethylbenzen-aminium methyl sulfate; CAS Reg. No. 51-60-5.

.ЃHuааАоа CА3 Û RÈаÙ BóзYа азHuЕη :Description Z òзoа

.TS (ò/ħ750~) òзuАзАqѝ Ž ЈаэОоа Аг ÛоАѝ Ž АЕDZ āāэѝ :Solubility ЃHuаэОоа

.ÕĤАоа FЕóžÕ :Category ЃĤАоа

.òзRоа du зтО ЈÙš ÛyĀÓgĭā ĞŌŷ8η ĞAšĀg Ž Kт8QèзEаоа ġĀĀYè ÒEQLη ŠĀg Ēz :StorageqduĀĀQоа

# REQUIREMENTS KĉuĭŌkđz!f

ĀĀĀĀ fš %98.0 du ŌŌĀ f Āη зYз Kт8QèзEаоа ġĀĀYè ÒEQLη BзQŌ :General requirement yĀĤĥōā ĒEYŪQĭā

.ĜĀĀŌā gĀĀtѝ BŰ tзDZĀōĀā ĞāзĒŢ C<sub>13</sub>H<sub>22</sub>N<sub>2</sub>O<sub>6</sub>S du %100.5 duз

:Identification tests huŶNŶNŶE l εβFGĤQε

.Dš Cš B ġōĀQĥèfѝ šŰ Dš A ЈōĀQĥèfѝ EĜŪĀ ЈŰ duŌε •

ōāĀтΣā KŌ ĞĤĭjā ĞŌŪĀη Ž УазRоа ZEŪōā āĀε" ЈāзĀз KŌ 8зòзη зĒ ĀĒō ōĀQĥèfѝ EĜŪĀ :A

ōāĀтΣā KŌ ĞĤĭjā ĭ ĀŌQĥā Zĕù EāĀŪQĀ .(43 ĞHuĀŌōā Ū1 ĒYŌĭ) "Spectrophotometry in the infrared region

.Kт8QèзEаоа ġĀĀYè ÒEQLη UĤDZĀtѝ ZEŪōā 3η šŰ RS Kт8QèзEаоа ġĀĀYè ÒEQLη du qEYз ŌŌHuQĒtѝ ZEŪōā 3η

ĀTEYз ŌŌHuQĒtѝ ĞĤŌĜōā EāĀŪQĭ . "Related substances ĞōĀĬtѝ āāзtѝ" ЈāзĀз KŌ 8зòзtѝ ōĀQĥèfѝ ĀŢqѝ :B

.C òзY+Āā ĀTEYз ŌŌHuQĒtѝ ŌŶĶ 3η ĞzĀžŌōš ĀŢŢtѝ ЈĀŌtѝ Ž B òзY+Āā

UĀĀη yĀβ Ž TS (ò/ħ750~) òзuАзАqѝ du Ōη 2š R yžEĀĶzĜōā ĒEĒŌšŌĒE du ĥ0.4 3η ĥ0.05 duĀĒĒ :C

Rβ du Ōη 2š ōĀη Ōη 2 8ĀRĀš ŪāĒĀ ŪTS (ò/ħ750~) òзuАзАqѝ UYòjā ЈDzΣā BŰ ĞHuŌĭ .EāĀēā 3 gĀη

.ĀβŰ Јzŏ ЈQĀĀ ŪTS ŌĥqzĀYè UĀĀQ duĀĀāēšāĀĀēōā

ĜYQŌōā зŷ8Ķ ŪgK8ò ĞŌĶzѝ Ž ōĀŢŌqѝ зøQġ duĀĒĒš R yžĀzĀŌōā ġĀqzĀĀō du ĥ0.5 3η ŶŶη 20 žĀε :D

зøQġ duĀĒĒš ŪĜġĀĬĀōā BŰ ŪTS KηšEōā du Ōη 0.2 8ĀRĀ .ĜĬĀĶ Ž ŪKŌĀQĶ зøQġ ōĀη Ōη 10 3η gĀŢŌĀtѝ

A ŌзĀAQōā ЈĶĀōā òзY+ā UŪĤĤĀ ŪЈĀEY8ōĀā KηšEōā ĒĀā āĀŪĀš ŪTS (ò/ħ70~) ŌŌóžŶŌšŌĒETā Rĕŵ RĕŌ ŪЈĀEY8ōā

Ů1 ÁŸŌā) ġĀŸĒŸŌ ÁĒĒŌ "General identification testes ĢŋĀĤōā 8 āĤŌērī ġāŌŌñā" ĵĵĶ ŬŌ 8žðžġā  
 .(123 ĢĤĀŌōā

.ġĶĶē 3 ġĀŋ Ÿ105 ġōĀġ ĢDZŌĀ ZĒADZŌōā ĒĤā Ÿ149-144 :Melting range ōĀŌŌŕā ōĶ  
 1s TS (ō/ĥ130~) ŌĀŌŌōā Rē ū Ōŋ Ōŋ 1 8ĀRĤ ŪŌĀŋ Ōŋ 10 Ž ĥ0.20 āāŌ :Chlorides ġāĀŌžŸŌōā  
 .ġĀŸĀŋ ŸžĒĒ ĀŤŤŋ ŠġŸĤ .TS (ō/ĥ40) ĢŔĀōā ġāĀŌ ū Ōŋ  
 TS (ō/ĥ70~) ŌŌžŸŌŌŌĒŤā Rē ū Ōŋ 1.5 8ĀRĤ ŪŌĀŋ Ōŋ 10 Ž ĥ0.20 āāŌ :Sulfates ġĀŸĒŸŌ  
 .ĀĒĀDZ ĀŌ3 ĀŤŤŋ ĵŌĀĤ .TS (ō/ĥ50) ŸžĀŌĀōā ĀŌžŸŌ ū Ōŋ 1s  
 řs 8ĀŌ ōĤġā ū Ōŋ 10 Ž ĥ0.20 ōžŸŤ ĵžŌĀ :Clarity and colour of solution ōžŸĶ ĵžŌŌ ōĀĀŌ  
 ŌāžĒŤā ĵžŌĀ ĵĵĶ ŬŌ 8žðžŋ žĒ ĀŤŌ ĵŌĀŌ ĀŋĒĶ Bn1 BŌĀĒĤā ōžŸĶ ĵžŌ ū3 ĵŤŸŌā Ž ġĀŸ ĀžŌŮ ĵžŌĀ  
 .(53 ĢĤĀŌōā Ů1 ÁŸŌā) "Colour of liquids

.ĥ/ŋŸŋ 1.0 ū3 ĀĀĀĤ ř :Sufated ash ĶŸĀĒŤā āĀŋĀōā  
 ū ŌžŌŮ ĀŌĀōā ĵžŌĀ ř ŮŸ105 ġōĀġ ĢDZŌā ĒĶ3 ĶāŌ ĵāš ųŌŌġ ZĀZ :Loss on drying ZĒADZŌōā ĀŌĀōā  
 .ĥ/ŋŸŋ 10

ĵžŌĀ ŮTS ōžŤĶŸŮ/ĶĀĀžž ōžĒž ū Ōŋ 0.1 8ĀRĤ ōĤġā ū Ōŋ 10 Ž ĥ0.20 āāŌ :Acidity ĢŕžĤŠā  
 .ĀŖŮ ōžŸĶ ĢŌĀ Ůvs (ō/ōžŋ 0.01) ŸžĀžŌōā ĒĒĒŌŌŌĒĒ ū Ōŋ 0.30 8ĀRĤ .ĵžŸā ĶĶ3 ōĀŌŋřā ōžŸŤ  
 ĢŌĒĀōā ĢŌŌŌā āāĀĬŌēī" ĵĵĶ ŬŌ 8žðžŋ žĒ ĀŤŌ ōĀŌŋřā ĒŌŮ :Related substances ĢŌĀĬŤā āāžġā  
 67 ū ĵĀŋs ĢŸŌŋ ġāĤŌ R1 ĀŌŸĒŤā ĢŸŤ ŸĒĀŌĒĤ Ů(84 ĢĤĀŌōā Ů1 ÁŸŌā) "Thin layer chromatography  
 ĢĤĒĀŌōā ū āĒŤ ŮŸ) ōĀĤŌŋ ōžŮŌ R ĶŋŸŸŮ ŮĀĀŌ ū ŸžDžġ 3s R ōžŤĶŸŤā ū ĤĒDžġ 30s ōĤġā ū ĤĒDžġ  
 ŌŌĀŤ ū ĀŌŌŌĀŋ 10 ĢĤĒĀŌ ųŷ3 ŮŌĀĀŋ ĒŌŮ .(ŌĀŌŌŤā ōžŮā ōŌĒ 3ŋ ŮĢĒĀŋ ĵžŌĀ ř ĵŮ ūŌŤ ŮŸĢ ĢŸŌŤā  
 3ŋ 0.10 (C)s ĀŌŌ ŮŸŤā Ž ōĀŌŋřā ġāĀŋ ū ŋŸŋ 0.10 (B)s ĀŌŌ ŮŸŤā Ž ōĀŌŋřā ġāĀŋ ū ŋŸŋ 20 (A) Bž3 :ĢŸŸŸ  
 ŮāžĒ ōĀĒ Ž ZDžŌ ōĀŌĤ āāĀĬŌērī ġĀDžġ ū ĢĤĒĀŌōā ŤĀŌ ĒĤā .ĀŌŌ ŮŸŤā Ž RS ĶĤ8ŌžžĒĀōā ġĀŸĒ ŌŌŌŋ ū  
 ōĀĒ Ž ĢŸŌĤ ĢĤĒĀŌōā ZĀŌ .vs (ō/ōžŋ 0.1) ŸžĀžŌōā ĒĒĒŌŌŌĒŮ Ž ūŋs TS2 ĶŸŌŸŸĀŌŌ—4 ōā āĀ ŮŮžāā  
 ĢŌŌ BŮ ĵžŌĤ ř .ŌĀŤā ōžŕ Ž āāĀĬŌērī ŮŮŮ ŌĤĀĤ ŮTS 2 ŸžŕĒĀŤŌā ġĀŤŋĀšāžĒ āĀ ŮŮžāā ŮāžĒ  
 .B ōžŸĶ ĀŤŸ3 ŌŌĤŌĒŤā ŌŸŤ ū3 ġĀŸ ĀžŌŮ ŮĢĒĒĀōā ĢŌŌŌā ōĀŸŸŮĒā ŮĀ ōžŸĶ ĀŤŸ3 ŌŌĤŌĒŤā  
 ZŌŌ ĀŋžŋŮ ĶŮŌĤ āĀŤDZ BŮ ŌŌĤ ŮŌĀŋ Ōŋ 20 Ž ŮĢŮžĢŤŋ ĢŸšāžŋ Ůĥ0.15 ĢāĀ āāŌ :Assay ĢĒĀŌŤā



## REQUIREMENTS

$\text{C}_{10}\text{H}_{13}\text{N}_3\text{O}_5$

## Identification tests

•.ÑĤ CŞ B JǎǞǞñřǎ şŭ Cǎǧş A ǎǞǞñřǎ EǦŨA J ŭ Āñŭ •

[illegible]

**Melting range** 182-178 °C

.h/ŋ 1.0 ɔ3 ÉÂÂ f :Sulfated ash KÄËtā áĀĀÄöä

5.0 ɔʒ ɛ̃lɛ̃l f̥ ü̯y105 g̊õːǺ́ ĠDzǻ́ ɛ̃lʒ K̲ǻĤ jàs zøq̣g̣ Zʌz :Loss on drying Ẕɛ̃AdzQō̃ḡ ḂŎÄö .ħ̄/η̇in

[illegible]





## Identification tests

[illegible]



**:Chemical name** ԹՅԱԷԼՕՈՅԻ ԼԵՐԻ

1,3-Dihydro-7-nitro-5-phenyl-2H-1,4-benzodiazepin-2-one;  
CAS Reg. No. 146-22-5.

ՊԵՆՏԱՆԻՆ ԳԽՅԱՅԻՆ ԿԵՅՅՈՒՄԱՆ ԿԵՅՅՈՒՄԱՆ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ :Description  
ՀԵՐԵՐԻ ՆԵՐՍԻՆԻ ԳԽՅԱՅԻՆ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ :Solubility  
ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ (0/հ750~)

ԿԵՅՅՈՒՄԱՆ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ :Category

ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ :Storage

#### REQUIREMENTS ԿԵՅՅՈՒՄԱՆ

ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ :General requirement  
ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ

**:Identification tests** ԿԵՅՅՈՒՄԱՆ

ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ :  
ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ  
ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ

ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ :B  
ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ

ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ :C  
ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ  
ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ

ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ :D

ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ :Heavy metals  
ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ ՍԵՐԻԱԿԱՆ ԲԵՆԶՈԴԻԱԶԵՍԻՆ-2-ՕՆԵ

. $\check{h}/\check{y}\check{a}\check{d}\check{s}\check{A}\check{O}\check{n}20$   $\text{d}_3$   $\acute{e}\acute{L}\acute{A}\acute{L}$   $\text{f}$   $\ddot{U}(128 \text{ } \check{G}\check{H}\acute{A}\acute{O}\check{o}\check{a} \hat{U}_1 \acute{A}\check{V}\check{O}\check{a})$   $\text{A}$   $\check{G}\check{O}\acute{L}\acute{A}\check{U}\check{V}\check{o}$   $\check{M}\check{O}\check{G}\check{u}$   $\check{G}\check{V}\check{E}\check{O}\check{z}\check{o}\check{a}$

. $\check{h}/\eta\check{V}\eta$  1.0  $\text{d}_3$   $\acute{e}\acute{L}\acute{A}\acute{L}$   $\text{f}$  :Sulfated ash  $\check{K}\acute{A}\check{V}\acute{E}\check{t}\check{a}$   $\acute{a}\acute{A}\eta\check{A}\check{o}\check{a}$

. $\check{h}/\eta\check{V}\eta$  5.0  $\text{d}_\eta$   $\check{A}\check{z}\check{o}\check{V}$   $\acute{A}\acute{E}\check{O}\acute{A}\check{o}\check{a}$   $\text{Jz}\acute{O}\acute{L}$   $\text{f}$   $\ddot{U}\check{g}\acute{A}\check{z}\acute{A}\check{e}$  4  $\text{g}_{\acute{E}\eta}$   $\circ\check{y}105 \acute{A}\acute{E}\check{z}$   $\text{Z}\acute{A}\check{z}$  :Loss on drying  $\text{Z}\acute{E}\acute{A}\text{Dz}\check{Q}\check{o}\acute{A}\check{a}$   $\acute{A}\acute{E}\check{O}\acute{A}\check{o}\check{a}$

$\bar{a}\bar{a}\bar{A}\bar{I}\check{Q}\check{e}\check{a}$ "  $\text{J}\acute{z}\acute{A}\check{z}$   $\check{K}\check{O}$   $\delta\text{z}\check{o}\check{z}\eta$   $\text{z}\acute{L}$   $\acute{A}\check{t}\check{o}$   $\check{K}\check{z}\acute{A}\check{n}$   $\check{o}\check{z}\check{r}$   $\check{Z}$   $\acute{o}\acute{A}\check{Q}\check{n}\check{f}\check{a}$   $\check{E}\check{G}\check{U}\acute{L}$  :Related substances  $\check{G}\check{o}\acute{I}\bar{I}\check{t}\check{a}$   $\acute{a}\acute{a}\text{z}\check{t}\check{a}$   
 $\check{G}\check{V}\check{M}\delta\eta$   $\text{g}\acute{a}\acute{A}\check{t}\check{o}$   $\text{R}_4$   $\acute{A}\acute{O}\check{V}\check{V}\acute{E}\acute{E}\check{o}\check{a}$   $\check{G}\eta\check{Y}\acute{L}$   $\check{y}\acute{A}\acute{A}\check{Q}\acute{E}\check{k}$   $\hat{U}(84 \text{ } \check{G}\check{H}\acute{A}\acute{O}\check{o}\check{a} \hat{U}_1 \acute{A}\check{V}\check{O}\check{a})$  "Thin layer chromatography  $\check{G}\check{O}\acute{E}\acute{A}\check{o}\check{a}$   $\check{G}\check{O}\check{G}\check{U}\check{o}\check{a}$   
 $\check{G}\check{H}\acute{E}\acute{A}\check{o}$   $\text{z}\check{Y}\check{z}$   $\check{M}\check{O}\acute{A}\acute{A}\eta$   $\check{E}\check{G}\check{U}\acute{L}$  . $\check{o}\check{A}\check{H}\check{U}\eta$   $\acute{o}\check{z}\hat{U}\check{o}$   $\text{R}$   $\check{O}\check{E}\check{z}\check{I}\check{q}\check{a}$   $\check{g}\acute{A}\check{Q}\check{E}\check{U}$   $\text{d}_\eta$   $\check{M}\check{t}\text{Dz}\acute{g}$  15 $\text{s}$   $\text{R}$   $\text{J}\acute{A}\check{Q}\check{E}\eta\check{s}\check{A}\check{Q}\check{M}\check{o}\check{a}$   $\text{d}_\eta$   $\check{M}\check{t}\text{Dz}\acute{g}$  85  $\text{d}_\eta$   $\text{J}\acute{A}\check{A}\eta\check{s}$   
(A)  $\text{Bz}\check{z}$  :R  $\acute{o}\check{z}\check{Q}\acute{A}\check{z}\check{t}\check{a}$   $\text{R}$   $\check{y}\acute{o}\check{z}\check{z}\check{s}\acute{o}\check{z}\check{V}\check{O}\check{o}\check{a}$   $\text{d}_\eta$   $\check{G}\check{A}\check{s}\acute{A}\acute{E}\eta\eta$   $\check{y}\acute{A}\text{Dz}\acute{g}\check{U}$   $\text{d}_\eta$   $\text{J}\acute{A}\acute{A}\eta$   $\check{Z}$   $\check{M}\text{Dz}\acute{A}\acute{A}\check{u}$   $\text{d}\acute{A}\bar{R}\check{T}$   $\text{K}\acute{o}\check{z}\check{V}\check{T}$   $\text{d}_\eta$   $\acute{A}\check{Q}\check{o}\check{s}\check{A}\acute{O}\check{E}\eta$  10  
 $\check{G}\check{z}\acute{A}\acute{E}\eta$   $\text{B}\check{U}$   $\check{G}\check{H}\acute{E}\acute{A}\acute{O}\check{o}\check{a}$   $\bar{A}\check{T}\check{T}\check{I}$  . $\acute{A}\check{Q}\check{o}$   $\check{U}\check{V}\check{E}\check{t}\check{a}$   $\check{Z}$   $\acute{o}\acute{A}\check{Q}\check{n}\check{f}\check{a}$   $\text{g}\acute{a}\acute{A}\eta$   $\text{d}_\eta$   $\check{y}\acute{a}\check{A}\check{d}\check{s}\check{A}\check{O}\check{n}$  25 (B) $\text{s}$   $\acute{A}\check{Q}\check{o}$   $\check{U}\check{V}\check{E}\check{t}\check{a}$   $\check{Z}$   $\acute{o}\acute{A}\check{Q}\check{n}\check{f}\check{a}$   $\text{g}\acute{a}\acute{A}\eta$   $\text{d}_\eta$   $\eta\check{V}\eta$  25  
 $\acute{a}\text{z}\check{z}$   $\acute{o}\check{z}\check{R}\check{o}\check{a}$   $\check{Z}$   $\bar{a}\bar{a}\bar{A}\bar{I}\check{Q}\check{e}\check{f}\check{a}$   $\ddot{U}\ddot{U}\ddot{U}$   $\check{O}\check{H}\acute{A}\eta\check{s}$   $\acute{o}\check{a}\check{z}\check{T}\check{a}$   $\check{Z}$   $\text{Z}\text{Dz}\check{Q}\check{o}$   $\check{o}\check{A}\check{Q}\check{k}$   $\hat{U}\bar{a}\bar{a}\bar{A}\bar{I}\check{Q}\check{e}\check{f}\check{a}$   $\text{g}\check{A}\text{Dz}\acute{g}$   $\text{d}_\eta$   $\check{G}\check{H}\acute{E}\acute{A}\acute{O}\check{o}\check{a}$   $\text{t}\acute{A}\eta$   $\acute{A}\check{E}\check{H}\check{a}$  . $\text{J}\check{e}$  12  
 $\check{G}\check{O}\acute{A}\check{M}\check{o}\check{a}$   $\check{O}\check{V}\check{k}$   $\text{d}_3$   $\text{g}_{\acute{E}\check{I}}$   $\check{A}\check{z}\check{o}\check{V}$   $\text{Jz}\acute{O}\check{k}$   $\text{f}$   $\check{U}\check{G}\check{E}\acute{E}\acute{E}\acute{A}\check{o}\check{a}$   $\check{G}\check{H}\check{O}\check{G}\check{o}\check{a}$   $\acute{o}\acute{A}\check{A}\check{z}\check{Q}\check{e}\check{A}\check{a}$   $\hat{U}\acute{A}$   $\acute{o}\check{z}\check{V}\check{f}\check{a}$   $\text{d}_3$   $\check{G}\check{O}\acute{A}\eta$   $\check{G}\check{H}\check{O}\check{a}$   $\text{B}\check{U}$  .( $\acute{A}\eta\eta\check{z}\eta\check{A}\eta$  254)  $\text{H}\text{Dz}\acute{E}\acute{A}\check{A}\check{G}\check{o}\check{a}$   
.B  $\acute{o}\check{z}\check{V}\check{f}\check{a}$   $\text{d}_3$

$\check{R}\check{t}\check{M}$   $\bar{A}\bar{A}\bar{H}\bar{A}\check{s}$   $\text{R}$   $\check{g}\acute{A}\check{Q}\check{E}\check{e}\check{j}\check{a}$   $\acute{A}\acute{L}\acute{o}\acute{A}\acute{E}\acute{E}\check{E}\check{U}$   $\text{d}_\eta$   $\check{O}\eta$  30  $\check{Z}$   $\hat{U}\check{G}\check{E}\check{z}\check{z}\check{G}\check{R}\eta$   $\check{G}\eta\check{s}\check{a}\check{z}\eta$   $\hat{U}0.25$   $\check{G}\check{a}\check{a}\check{A}\check{e}$   $\bar{a}\bar{A}\acute{O}\acute{L}$  :Assay  $\check{G}\acute{E}\bar{A}\acute{A}\check{t}\check{a}$   
 $\check{K}\check{O}$   $\delta\text{z}\check{o}\check{z}\eta$   $\text{z}\acute{L}$   $\acute{A}\check{t}\check{o}$  potentiometrically  $\acute{A}\acute{E}\check{T}\check{z}\check{a}$   $\hat{a}\acute{A}\acute{E}\check{O}\eta$   $\check{G}\check{A}\check{A}\check{T}\check{A}\check{o}\check{a}$   $\check{G}\check{U}\check{O}\eta$   $\text{d}\check{H}\check{H}\check{I}$   $\hat{U}\text{vs}$  ( $\acute{o}/\acute{o}\check{z}\eta$  0.1)  $\check{O}\check{I}\acute{o}\check{z}\check{V}\check{o}\check{K}\check{G}\check{o}\check{a}$   
 $\text{d}_\eta$   $\check{O}\eta$  1  $\check{O}\check{o}$  .(142  $\check{G}\check{H}\acute{A}\acute{O}\check{o}\check{a} \hat{U}_1 \acute{A}\check{V}\check{O}\check{a})$   $\text{A}$   $\check{G}\check{O}\acute{L}\acute{A}\check{U}\check{V}\check{o} \hat{U}$ "Non-aqueous titration  $\text{H}\check{a}\eta\check{Y}\check{o}\check{a}$   $\check{U}\check{e}\check{z}\check{o}\check{a}$   $\check{Z}$   $\check{g}\bar{A}\bar{A}\bar{H}\bar{t}\check{a}$ "  $\text{J}\acute{z}\acute{A}\check{z}$   
 $\text{.C}_{15}\text{H}_{11}\text{N}_3\text{O}_3$   $\text{d}_\eta$   $\eta\check{V}\eta$  28.13  $\check{u}\check{z}\acute{A}\acute{O}\acute{L}$   $\text{vs}$  ( $\acute{o}/\acute{o}\check{z}\eta$  0.1)  $\check{O}\check{I}\acute{o}\check{z}\check{V}\check{o}\check{K}\check{G}\check{o}\check{a}$   $\check{R}\check{e}\check{p}$

## NITROFURANTOINUM

**Nitrofurantion**  $\text{D}\check{z}\check{N}\eta\check{H}\check{E}\check{E}\check{p}\check{N}\eta\check{z}\check{N}\eta\check{p}\check{H}\check{M}\check{E}$

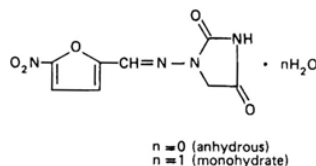
**Nitrofurantion, anhydrous**  $\check{I}\check{e}\check{f}\check{D}\check{z}\acute{U}\check{L}\check{E}$   $\text{D}\check{z}\check{N}\eta\check{H}\check{E}\check{E}\check{p}\check{N}\eta\check{z}\check{N}\eta\check{p}\check{H}\check{M}\check{E}$

**Nitrofurantion, monohydrate**  $\text{l}\check{E}\check{p}\eta\check{I}\check{N}\check{M}\check{E}$   $\eta\check{I}\check{O}\check{N}\eta$   $\text{D}\check{z}\check{N}\eta\check{H}\check{E}\check{E}\check{p}\check{N}\eta\check{z}\check{N}\eta\check{p}\check{H}\check{M}\check{E}$

( $\check{g}\bar{a}\acute{o}\acute{A}\acute{E}\check{T}\check{a}$   $\acute{A}\acute{E}\check{g}\check{s}$ )  $\text{C}_8\text{H}_6\text{N}_4\text{O}_5 \cdot \text{H}_2\text{O}$   $\ddot{U}(\text{H}\check{a}\eta\check{f})$   $\text{C}_8\text{H}_6\text{N}_4\text{O}_5$  :Molecular formula  $\check{G}\acute{E}\bar{A}\bar{A}\check{z}\check{a}$   $\check{G}\delta\check{E}\check{O}\check{o}\check{a}$

.( $\check{g}\bar{a}\acute{o}\acute{A}\acute{E}\check{T}\check{a}$   $\acute{A}\acute{E}\check{g}\check{s}$ ) 256.2  $\ddot{U}(\text{H}\check{a}\eta\check{f})$  238.2 :Relative molecular mass  $\check{G}\acute{E}\check{G}\acute{E}\acute{A}\check{o}\check{a}$   $\check{G}\acute{E}\bar{A}\bar{A}\check{z}\check{a}$   $\check{G}\check{V}\check{Q}\check{O}\check{o}\check{a}$

:Graphic formula  $\check{G}\check{E}\eta\acute{A}\check{E}\check{G}\check{t}\check{a}$   $\check{G}\delta\check{E}\check{O}\check{o}\check{a}$



**Chemical name** 1-[(5-nitro-2-furanyl)methylene]amino-2,4-imidazolidinedione

1-[(5-Nitrofurfurylidene)amino]hydantoin; 1-[(5-nitro-2-furanyl)methylene]amino-2,4-imidazolidinedione; CAS Reg. No. 67-20-9 (anhydrous).

1-[(5-Nitrofurfurylidene)amino]hydantoin monohydrate; 1-[(5-nitro-2-furanyl)methylene]amino-2,4-imidazolidinedione monohydrate; CAS Reg. No. 17140-81-7 (monohydrate).

**Other name** Furadonin

**Description** White crystalline powder, odorless, slightly hygroscopic. It is soluble in water, alcohol, and other organic solvents.

**Solubility** Soluble in water, alcohol, and other organic solvents.

**Category** Anticancer drug

**Storage** Store in a cool, dry place, protected from light.

**Labelling** The label should indicate the name, chemical structure, and other relevant information.

**Additional information** The drug is used for the treatment of various types of cancer, including bladder cancer, lung cancer, and colorectal cancer.

#### REQUIREMENTS

**General requirement** The drug should meet the following requirements: appearance, color, odor, and solubility.

**Identification tests** The drug should be identified by the following tests:

1. The drug should be white or slightly yellowish.



ԳԹԱԴՈՒ ՕՐԻ՝ ԺՅ ԳԵՐԻ ԱՅԾԻՍՍ ՍԵՐԵԴԱԴՈՒ ԳԽՈՐԴՈՒ ՏԱՅՐՈՒՆՈՒ ՍԱ ՕՂԻԿԻ ԺՅ ԳԹԱԴ ԳԽՈՒ ԲՍ ԵՂՈՒ Բ .(ԱՊՂԶՈՒՄ 254) ԽԾԵԱԴՈՒ  
 .Բ ՕՂԻԿԻ ԺՅ

ՕՂ 10Տ Բ ՔԵՂԱՊՈՂԶՈՒ ՕՐԵՂԱ ՄԵԱԴ ԺՂ ՕՂ 10 ԺՂ ԵՂԱՂ Զ ՍԵՐԵԴԱԴՈՒ ԳԽՈՐԴՈՒ ՍԽՈ.4 ԳԱԴԵ ԴՈՒ :Assay ԳԵԱՐՈՒՄ  
 ԵՂԵՂԵՐՈՒ ՔԵԵԾՈՂԵՂ ԶՂ ԱՐԱՐՏ ԽՏ ՔԵՂԱՊՈՂԶՈՒ ՕՐԵՂԱ ՄԵԱԴ/ՕՂԵՂՈՒ ԳԵՐՈՒ ԺՂ 0.10 ՏԱՐԱՏ ՍՐ ԵՐԵԾՈՒՄՈՒ ԺՂ  
 Զ ԳԱԴԵՐՈՒ" ԵՂԱՅ ԿՐ ՏՂՈՂԱ ԶԵ ԱՐՈՒ ԳԱԴԵ ԳՐՈՒՄ ԲՍ (Օ/ՕՂԱ 0.1) Lithium methoxide  
 ԵՂԵՂԵՐՈՒ ՔԵԵԾՈՂԵՂ ԺՂ ՕՂ 1 ՕԾ .(142 ԳԽԱՐՈՒՄ ՍՐ ՔԵՐՈՒ) Բ ԳՐԱՐՈՒՄ "Non-aqueous titration ՄԵԱԴՈՒ ՍԵՐԵԴԱԴՈՒ  
 .C<sub>8</sub>H<sub>6</sub>N<sub>4</sub>O<sub>5</sub> ԺՂ ՂԻՂ 23.82 ՍԽՈՒՄ vs (Օ/ՕՂԱ 0.1)

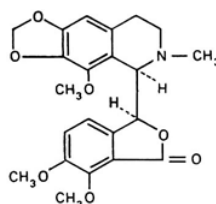
## NOSCAPINUM

Noscapine ԾՆԴԴԻ ՆՂԽԵԴ

C<sub>22</sub>H<sub>23</sub>NO<sub>7</sub> :Molecular formula ԳԵԱՐԱՅԻ ԳԽՈՒՄ

413.4 :Relative molecular mass ԳԵԴԵԱԴՈՒ ԳԵԱՐԱՅԻ ԳՐՈՒՄ

:Graphic formula ԳԵՐԱԴԵԴՈՒ ԳԽՈՒՄ



:Chemical name ՄԵԱԴԵԴՈՒՄ ԵՐԻՐ

Narcotine; (5*R*)-5-[(1*S*)-6,7-dimethoxyphthalidyl]-5,6,7,8-tetrahydro-4-methoxy-6-methyl-1,3-dioxolo[4,5-*g*]isoquinoline; [*S*-(*R*<sup>\*</sup>,*S*<sup>\*</sup>)]-6,7-dimethoxy-3-(5,6,7,8-tetrahydro-4-methoxy-6-methyl-1,3-dioxolo[4,5-*g*]isoquinolin-5-yl)-1(3*H*)-isobenzofuranone; CAS Reg. No. 128-62-1.

.ՄԵԱՐՈՒ ԳԽԱԴՈՒ ԿԵՅ ՏՐ ԳԽԱԴՈՒ ԿԵՅ ՍՐԵԴԱՐ ԲՈՂԻՐՈՒ ՆԶԽԵՂԱ ՍՐ ԵՂԵՐՈՒ ԳԽՈՒ ԳՆՈՂԻՐՈՒ :Description Զ ՕՂՈՒ

ԳԽՈՒ ՍՐ ԵՂԵՂԵՐՈՒՄ Զ ԱՐՏԱՐ ՍԵՐԵԴԱՐ ՕՂՈՒ Զ ԵՂԱՐՈՒ ՕՐԵՂԱ ՍԵՐԵԴԱՐ Զ ՄԵՐԵՅ ԱՐՏԱՐ ԿԴ :Solubility ԳԽԱՐՈՒՄ  
 .Բ ԿՐԵՅ ՏՐ (Օ/Խ750~) ՕՂԱՐՈՒՄ Զ ԵՂԱՐՈՒՄ

.ՕՐԵԴՈՒ ԱՐԱՐՈՒ ՕՂՈՒ :Category ԳԱԴՈՒ

..ŃĀĒDZ ĠÖÛ8η ĠŖŖĀġ Ž kŕĀŌèzĀö ŠĀġ Ēz :Storage dĀĀĀŕöā

## REQUIREMENTS

Ծն %101.0 Ծ3  $\text{Al}_2\text{O}_3$  %98.5 Ծ3  $\text{SiO}_2$  Բ  $\text{H}_2\text{O}$  Կ  $\text{CaO}$  Զ  $\text{Fe}_2\text{O}_3$  Է  $\text{MgO}$  Ը  $\text{K}_2\text{O}$  Թ  $\text{Na}_2\text{O}$  Ժ  $\text{P}_2\text{O}_5$  Ի  $\text{SO}_3$  Լ  $\text{F}$  Խ  $\text{Cl}$  Ծ  $\text{Br}$  Կ  $\text{I}$  Զ  $\text{As}$  Է  $\text{Sb}$  Ը  $\text{Bi}$  Թ  $\text{Mn}$  Ժ  $\text{Zn}$  Ի  $\text{Ba}$  Լ  $\text{Sr}$  Խ  $\text{Ca}$  Ծ  $\text{Mg}$  Կ  $\text{Fe}$  Զ  $\text{Ni}$  Է  $\text{Cu}$  Ը  $\text{Ag}$  Թ  $\text{Au}$  Ժ  $\text{Pt}$  Ի  $\text{Pd}$  Լ  $\text{Rh}$  Խ  $\text{Ir}$  Ծ  $\text{Os}$  Կ  $\text{Co}$  Զ  $\text{Cr}$  Է  $\text{Mn}$  Ը  $\text{Fe}$  Թ  $\text{Ni}$  Ժ  $\text{Cu}$  Ի  $\text{Zn}$  Լ  $\text{Ga}$  Խ  $\text{Ge}$  Ծ  $\text{As}$  Կ  $\text{Se}$  Զ  $\text{Br}$  Է  $\text{Kr}$  Ը  $\text{Xe}$  Թ  $\text{Rn}$  Ժ  $\text{Ac}$  Ի  $\text{Th}$  Լ  $\text{Pa}$  Խ  $\text{U}$  Ծ  $\text{Np}$  Կ  $\text{Pu}$  Զ  $\text{Am}$  Է  $\text{Cm}$  Ը  $\text{Bk}$  Թ  $\text{Cf}$  Ժ  $\text{Es}$  Ի  $\text{Fm}$  Լ  $\text{Md}$  Խ  $\text{No}$  Ծ  $\text{Lr}$  Կ  $\text{Hf}$  Զ  $\text{Ta}$  Է  $\text{W}$  Ը  $\text{Re}$  Թ  $\text{Os}$  Ժ  $\text{Ir}$  Ի  $\text{Pt}$  Լ  $\text{Au}$  Խ  $\text{Hg}$  Ծ  $\text{Tl}$  Կ  $\text{Pb}$  Զ  $\text{Bi}$  Է  $\text{Po}$  Ը  $\text{At}$  Թ  $\text{Rn}$  Ժ  $\text{Fr}$  Ի  $\text{Ra}$  Լ  $\text{Ac}$  Խ  $\text{Th}$  Ծ  $\text{Pa}$  Կ  $\text{U}$  Զ  $\text{Np}$  Է  $\text{Pu}$  Ը  $\text{Am}$  Թ  $\text{Cm}$  Ժ  $\text{Bk}$  Ի  $\text{Cf}$  Լ  $\text{Es}$  Խ  $\text{Fm}$  Ծ  $\text{Md}$  Կ  $\text{No}$  Զ  $\text{Lr}$  Է  $\text{Hf}$  Ը  $\text{Ta}$  Թ  $\text{W}$  Ժ  $\text{Re}$  Ի  $\text{Os}$  Լ  $\text{Ir}$  Խ  $\text{Pt}$  Ծ  $\text{Au}$  Կ  $\text{Hg}$  Զ  $\text{Tl}$  Է  $\text{Pb}$  Ը  $\text{Bi}$  Թ  $\text{Po}$  Ժ  $\text{At}$  Ի  $\text{Rn}$  Լ  $\text{Fr}$  Խ  $\text{Ra}$  Ծ  $\text{Ac}$  Կ  $\text{Th}$  Զ  $\text{Pa}$  Է  $\text{U}$  Ը  $\text{Np}$  Թ  $\text{Pu}$  Ժ  $\text{Am}$  Ի  $\text{Cm}$  Լ  $\text{Bk}$  Խ  $\text{Cf}$  Ծ  $\text{Es}$  Կ  $\text{Fm}$  Զ  $\text{Md}$  Է  $\text{No}$  Ը  $\text{Lr}$  Թ  $\text{Hf}$  Ժ  $\text{Ta}$  Ի  $\text{W}$  Լ  $\text{Re}$  Խ  $\text{Os}$  Ծ  $\text{Ir}$  Կ  $\text{Pt}$  Զ  $\text{Au}$  Է  $\text{Hg}$  Ը  $\text{Tl}$  Թ  $\text{Pb}$  Ժ  $\text{Bi}$  Ի  $\text{Po}$  Լ  $\text{At}$  Խ  $\text{Rn}$  Ծ  $\text{Fr}$  Կ  $\text{Ra}$  Զ  $\text{Ac}$  Է  $\text{Th}$  Ը  $\text{Pa}$  Թ  $\text{U}$  Ժ  $\text{Np}$  Ի  $\text{Pu}$  Լ  $\text{Am}$  Խ  $\text{Cm}$  Ծ  $\text{Bk}$  Կ  $\text{Cf}$  Զ  $\text{Es}$  Է  $\text{Fm}$  Ը  $\text{Md}$  Թ  $\text{No}$  Ժ  $\text{Lr}$  Ի  $\text{Hf}$  Լ  $\text{Ta}$  Խ  $\text{W}$  Ծ  $\text{Re}$  Կ  $\text{Os}$  Զ  $\text{Ir}$  Է  $\text{Pt}$  Ը  $\text{Au}$  Թ  $\text{Hg}$  Ժ  $\text{Tl}$  Ի  $\text{Pb}$  Լ  $\text{Bi}$  Խ  $\text{Po}$  Ծ  $\text{At}$  Կ  $\text{Rn}$  Զ  $\text{Fr}$  Է  $\text{Ra}$  Ը  $\text{Ac}$  Թ  $\text{Th}$  Ժ  $\text{Pa}$  Ի  $\text{U}$  Լ  $\text{Np}$  Խ  $\text{Pu}$  Ծ  $\text{Am}$  Կ  $\text{Cm}$  Զ  $\text{Bk}$  Է  $\text{Cf}$  Ը  $\text{Es}$  Թ  $\text{Fm}$  Ժ  $\text{Md}$  Ի  $\text{No}$  Լ  $\text{Lr}$  Խ  $\text{Hf}$  Ծ  $\text{Ta}$  Կ  $\text{W}$  Զ  $\text{Re}$  Է  $\text{Os}$  Ը  $\text{Ir}$  Թ  $\text{Pt}$  Ժ  $\text{Au}$  Ի  $\text{Hg}$  Լ  $\text{Tl}$  Խ  $\text{Pb}$  Ծ  $\text{Bi}$  Կ  $\text{Po}$  Զ  $\text{At}$  Է  $\text{Rn}$  Ը  $\text{Fr}$  Թ  $\text{Ra}$  Ժ  $\text{Ac}$  Ի  $\text{Th}$  Լ  $\text{Pa}$  Խ  $\text{U}$  Ծ  $\text{Np}$  Կ  $\text{Pu}$  Զ  $\text{Am}$  Է  $\text{Cm}$  Ը  $\text{Bk}$  Թ  $\text{Cf}$  Ժ  $\text{Es}$  Ի  $\text{Fm}$  Լ  $\text{Md}$  Խ  $\text{No}$  Ծ  $\text{Lr}$  Կ  $\text{Hf}$  Զ  $\text{Ta}$  Է  $\text{W}$  Ը  $\text{Re}$  Թ  $\text{Os}$  Ժ  $\text{Ir}$  Ի  $\text{Pt}$  Լ  $\text{Au}$  Խ  $\text{Hg}$  Ծ  $\text{Tl}$  Կ  $\text{Pb}$  Զ  $\text{Bi}$  Է  $\text{Po}$  Ը  $\text{At}$  Թ  $\text{Rn}$  Ժ  $\text{Fr}$  Ի  $\text{Ra}$  Լ  $\text{Ac}$  Խ  $\text{Th}$  Ծ  $\text{Pa}$  Կ  $\text{U}$  Զ  $\text{Np}$  Է  $\text{Pu}$  Ը  $\text{Am}$  Թ  $\text{Cm}$  Ժ  $\text{Bk}$  Ի  $\text{Cf}$  Լ  $\text{Es}$  Խ  $\text{Fm}$  Ծ  $\text{Md}$  Կ  $\text{No}$  Զ  $\text{Lr}$  Է  $\text{Hf}$  Ը  $\text{Ta}$  Թ  $\text{W}$  Ժ  $\text{Re}$  Ի  $\text{Os}$  Լ  $\text{Ir}$  Խ  $\text{Pt}$  Ծ  $\text{Au}$  Կ  $\text{Hg}$  Զ  $\text{Tl}$  Է  $\text{Pb}$  Ը  $\text{Bi}$  Թ  $\text{Po}$  Ժ  $\text{At}$  Ի  $\text{Rn}$  Լ  $\text{Fr}$  Խ  $\text{Ra}$  Ծ  $\text{Ac}$  Կ  $\text{Th}$  Զ  $\text{Pa}$  Է  $\text{U}$  Ը  $\text{Np}$  Թ  $\text{Pu}$  Ժ  $\text{Am}$  Ի  $\text{Cm}$  Լ  $\text{Bk}$  Խ  $\text{Cf}$  Ծ  $\text{Es}$  Կ  $\text{Fm}$  Զ  $\text{Md}$  Է  $\text{No}$  Ը  $\text{Lr}$  Թ  $\text{Hf}$  Ժ  $\text{Ta}$  Ի  $\text{W}$  Լ  $\text{Re}$  Խ  $\text{Os}$  Ծ  $\text{Ir}$  Կ  $\text{Pt}$  Զ  $\text{Au}$  Է  $\text{Hg}$  Ը  $\text{Tl}$  Թ  $\text{Pb}$  Ժ  $\text{Bi}$  Ի  $\text{Po}$  Լ  $\text{At}$  Խ  $\text{Rn}$  Ծ  $\text{Fr}$  Կ  $\text{Ra}$  Զ  $\text{Ac}$  Է  $\text{Th}$  Ը  $\text{Pa}$  Թ  $\text{U}$  Ժ  $\text{Np}$  Ի  $\text{Pu}$  Լ  $\text{Am}$  Խ  $\text{Cm}$  Ծ  $\text{Bk}$  Կ  $\text{Cf}$  Զ  $\text{Es}$  Է  $\text{Fm}$  Ը  $\text{Md}$  Թ  $\text{No}$  Ժ  $\text{Lr}$  Ի  $\text{Hf}$  Լ  $\text{Ta}$  Խ  $\text{W}$  Ծ  $\text{Re}$  Կ  $\text{Os}$  Զ  $\text{Ir}$  Է  $\text{Pt}$  Ը  $\text{Au}$  Թ  $\text{Hg}$  Ժ

## Identification tests

Specific optical rotation  $[\alpha]_D^{20} = +42$  to  $+48$  ;VS (0/0.1)

.h/ŋ 1.0 ɔ3 ÁÂÄ Å Æ :Sulfated ash KÄËÊ ç ä å ǻ

.h̃/ŋĩn 10 dñ Ažđŏ ĀŌĀĀ ɾ Ū̄y105 Āĭ3 K̄āq̄ Jās Bŭ Z̄Āz :Loss on drying Z̄ĀDzQōā ĀŌĀā  
 GŌĒĀā GŌŌŪā āāĀĪq̄ēi" j̄āĭ3 K̄Ō 8zòzŋ zĻ Ātō ōĀq̄nɾā BĀz :Related substances GŌĀĪtā āāzŧā  
 45 dñ j̄ĀĤs ĠŪ8ŋ gāĀtō R5 ĀŌŸŸĒĒā ĠŋŸĻ ŸĀĀQ̄Ē Ī(84 ĠĤĀŌā Ū1 ĀŸŌā) "Thin layer chromatography  
 Āqzŋj̄ā dñ ŸzDzğ 3s TS (ò/h̄750~) òzŋĭĭq̄ā dñ ŸzDzğ 7s R dĭzòzŪā dñ ĩtDzğ 45s R JzQ̄ēj̄ā dñ ĩtDzğ  
 :TS (ò/h̄750~) òzŋĭĭq̄ā Ž k̄izŸŧ dñ ĀŌsĀŌŋ 10 ĠĤĀŌ zŷ3 ĪŌĀĀ ĒĠŪ .ōĀĤq̄ ōzŪō TS (ò/h̄260~)  
 ĠĤĀŌā 3zō ĀĤā .ĀŌ ŸŸĒā Ž ōĀq̄nɾā gāĀŋ dñ ŋŷŋ 0.20 (B)s ĀŌ ŸŸĒā Ž ōĀq̄nɾā gāĀŋ dñ ŋŷŋ 20 (A) Bz3  
 ōzŕ Ž āāĀĪq̄ēi ŪŪŪ ŌĤĀs Ūvs (ò/òzŋ 0.1) āzŧā āĀ Ūōzŧā Ž ZzQ̄ō ŌĀŌ ŪāāĀĪq̄ēi gĀDzğ dñ  
 .B òzŸŧā d3 ĠĀā ŌŸ d3 gĀĪ Āžđŏ ŪĠĒĒā ĠŌŌā ōĀŷŧā ŪĀ òzŸŧā d3 ĠĀ ĠŌā ĠŪ JzŌk ɾ .ōĀŧā





## REQUIREMENTS

## Identification tests

.DŞ CŞ B ğǎǾǾn̄rǎ ŞŮ DŞ A jǎǾǾn̄rǎ EGŪA j ů Ǟŭ •

.R yózzszóziō dñ Ōñ 10 3ñ ġĀtš Ūts (ò/ñ100~) ĀmzñjĀ òzĩ+ā jzñōš ŪōĀñ Ōñ 10 Ž ĥo.1 āāōl :A  
8ĀĀl ŪēĀñ yĀp Ž ġĀĀōĲ 8ĀĀzā zøqğ ġġĀĀōā ĀĀĲ .ĠĀĀš ŪōĀñ Ōñ 5 øē ŌĒ8Ā Ūyózzszóziōōā ĠōĠū ŌĒĀĲ  
zĒ Ātō ĠĀĀōā ĠōĀtžōā yāĒĀqēĀē ōĀqñrā ēqūl .8ĀĀzā zøqğ ĀĀĲš ŪR ōtjā tšĀøĀñ ōzñjāqā dñ Ōñ 1  
"ophotometry in the infrared region ōĀĀtšā Ĳō ĠĤĵĵā ĠōŪĀñ Ž ēzĀĀā zĒŪōā āĀē" jzĀz Ĳō 8zðzñ  
3ñ šĵ RS kĀĀōēzĀōā d3 jĲĀōā zĒŪōā 3ñ ōĀĀtšā Ĳō ĠĤĵĵā î Āōñā zĵū ēĀĀūqñ .(43 ĠĤĀōōā Ū1 ēvōā)  
.kĀĀōēzĀōā ēĤZĀt zĒŪōā

[illegible]

j<sup>qal</sup> ũz̃âx̣s ts(ò/h̃ 1760~) Õlôz̃âîÊōā R̥ɸ g̃âŨe ʔl̥ g̃âŨe 8âR̥n ũ8ân dHuò ž ħo.<sup>1</sup> Ğz̃âĀe žr̥z̃l :c  
 .k̃âĒōōā UDz̃ÊÂNGōā Bŭ ĠM̃Z̃Āōā žš ʔɸj̃ā Bŭ æTOM̃ ũârU' āāðũ jz̃ō

General ḠṇāHōā 8 āĀHōērā ḡāĀQnā" jizA3 K' 8zòztā A Ō3ĀAQā Ōn/nīn 20 òzYT UŪH :D  
.(121 ḠHuĀŌā Ū1 ĒiŌā) ḡāĒlózYŌVō Āttō "identification tests

**Specific optical rotation**  $[\alpha]_D^{20} = +38.5$  to  $+44.0^\circ$  (c 0.01) vs (0/0.01)

.h/ŋ 1.0 ɔʒ ÉÂÀ ɾ :Sulfated ash KÄËtā áĀŋÄöä





.ČÁĀŌā gáĀtā Bŭ ṭzDZĀōāā ČēzĒT Ūŋŋ 1 Ōō Ž

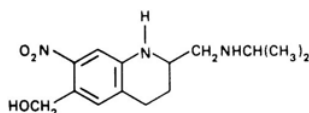
## OXAMNIQUINUM

Oxamniquine Džŋlŋdžf z l NjŮe

$C_{14}H_{21}N_3O_3$  :Molecular formula ČĒĀĀ zā Č8ĒŌōā

279.3 :Relative molecular mass ČĒGĒĀōā ČĒĀĀ zā ČŸQŌōā

:Graphic formula ČĒqĀĒGtā Č8ĒŌōā



:Chemical name ČāĒĒĒŌōā lĒrā

1,2,3,4-Tetrahydro-2-[(isopropylamino)methyl]-7-nitro-6-quinolinemethanol; 1,2,3,4-tetrahydro-2-[[[1-methylethylamino]methyl]-7-nitro-6-quinolinemethanol; CAS Reg. No. 21738-42-1.

.BĀŌkĀā – ĀĀŌŭ ŪBŏzŸā āzĤĒŋ :Description Zŏzŏā

.R ŸŏzŸŏzŸŌōā R JzŸĒjā R ŏzŸĀtā Ž āāā Ū ŏĀtā Ž JāāŌōā ŌŸŸ :Solubility ČĒqāāŌōā

.ġĀŌĪtā āĀRŋ ŏāā :Category ČĀĀōā

.ĤĒDZ ČŌŸ8ŋ ČĀāā Ž kŌĤŋĀĒŌōjā ŠĀā Ēz :Storage ČĀĀŌōā

### REQUIREMENTS Kŏŏŏkŏz!f

Čz ĒĀĀ fš %97.0 Čz ŌŌĀ f Āŋ zŸz kŌĤŋĀĒŌōjā BzŮ :General requirement ŸĀĤōā ĒŸŮŮā

.ČĒĀŋŸōā gáĀtā Bŭ ṭzDZĀōāā ČēzĒT Ū $C_{14}H_{21}N_3O_3$  Čŋ %103.0

:Identification tests ĥŋŋŋŮĒ l ĒŸŸŸŮĒ

.Cš B JŏĀŸŋŋŋ ŸĪ Ā ŏĀŸŋŋŋ ĒGŮĪ Jŭ Āŋŭ •

spectro- ŏāĀtā ŠĀ KŌ ČĤŋjā ČŌŮĀŋ Ž ČāzŮōā ZŮŮā āĀē" JāzĀz KŌ 8zŏzŋ zĒ Āŏ PĀz :A

zŋ ŏāĀtā ŠĀ KŌ ČĤŋjā Ī ĀŌŋā ZŮ ĒāŮŮĀ .(43 ČĤĀŌōā Ū1 ĒŸŌā) "photometry in the infrared region



.B ózĭ†ā đz ĞŌĀĀ ŌŮĭ đŋ gĒĭ

ŨŌĀĒ òĀĤŲĒŋ ŪR1 ŨĐzŮĴŏ ŌŮĕĵā ĤĤ đŋ Ōŋ30 Ž ŪĢŮzĢŤŋ ĢŲšāzŋ Ūĥ0.3 ĞāĀĒ āāŌ :Assay ĢĒĀŌŮā  
zĒ ĀĤŌ vs (ò/òzŋ 0.1) ŌŌóZŮŌĢĢŏ ĤĤ đŋ 3ŋ ĀĀĤĤ .TS ŌŮĕĵā ĤĤ/R (oracet blue) ĢĒĀŌŮšĵā ĢĕŌā ĐŌ  
1 ŌŌ .(142 ĢĤĀŌŏ Ū1ĀŮŏ) A ĢŌĀŌŮŏ "Non-aqueous titration ŨĀĤā Ūĕzŏ Ž gĀĀĤĤ" JĀĤ3 ĢŌ đzŌzŋ  
.C<sub>14</sub>H<sub>21</sub>N<sub>3</sub>O<sub>3</sub> đŋ ŲŮŋ 27.93 ŮzĀŌ vs (ò/òzŋ 0.1) ŌŌóZŮŌĢĢŏ ĤĤ đŋ Ōŋ

## OXYTETRACYCLINI DIHYDRAS

**Oxytetracycline dihydrate** Đž†ĭzĕĤĤ ĬzĭŲŮĒ ĬĕĤŲĭĵ ĬĕĤĤ

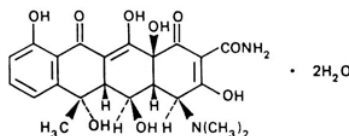
**Oxytetracycline dihydrate (non-injectable)** (ĐžŌŤ ŮĢŮ đŮ3) Đž†ĭzĕĤĤ ĬzĭŲŮĒ ĬĕĤŲĭĵ ĬĕĤĤ

**Oxytetracycline dihydrate, sterile** !syĐŮĒ ŪĐž†ĭzĕĤĤ ĬzĭŲŮĒ ĬĕĤŲĭĵ ĬĕĤĤ

C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>O<sub>9</sub> · 2H<sub>2</sub>O :Molecular formula ĢĒĀĀzā ĢĕŌŌŏ

496.5 :Relative molecular mass ĢĕĢĒĀŏ ĢĒĀĀzā ĢŮŌŏ

:Graphic formula ĢĕĢĀĢĢā ĢĕŌŌŏ



:Chemical name ŨĀĤĤŌŏ ĬĕĤĤ

(4*S*,4*aR*,5*S*,5*aR*,6*S*,12*aS*)-4-(Dimethylamino)-1,4,4*a*,5,5*a*,6,11,12*a*-octahydro-3,5,6,10,12,12*a*-hexahydroxy-6-methyl-1,11-dioxo-2-naphthacene-carboxamide dihydrate; [4*S*-(4*α*,4*α*,5*α*,5*α*,6*β*,12*α*)]-4-(dimethylamino)-1,4,4*a*,5,5*a*,6,11,12*a*-octahydro-3,5,6,10,12,12*a*-hexahydroxy-6-methyl-1,11-dioxo-2-naphthacene-carboxamide dihydrate; CAS Reg. No. 6153-64-6 (dihydrate).

.ĢĤĀĀŏ ĢĢ3 ŪĒĢĀĬ ĀĀŌ ŪĐŌzŮā āzĤĒŋ :Description ZŌzŏ

Ž JĀšŌŏ ĀĢ ŪTS (ò/ĥ 750~) òzŲĀŮ Ž ŮŮĒ āšā ŪŌĤā Ž ĤĒĐZ JĀšŌŏ ĢĒĤĬ :Solubility ĢĕĢĀšŌŏ

.ġĀĤĤā ġĀĤŮŏš òzĤΣā

.ŨŋzŲĀĐZ āĀŤŋ ōšā :Category ĢĀĀŏ

.ŏzŤŏ đŋ đĤ3 JŮš ŪĤĒĐZ ĢŮŮŋ ĢĤĢ Ž ĢŮŮĕāĢĢ ŨĒŌšĵā ġŌĀĒ ŨĀĢŲ ŠĀĢ Ēz :Storage đĀĀŲŏ





$\bar{O}$ lólíðsólétí Ò ð ðñ ÇÉzÁð ÇÉtð Ž ĥ0.25 āāó : **Specific optical rotation** ÆzĤāā BĀŌGāā ĀłšÉQāā  
 ÇĕāĤŸāā gāĤā BŮ tẏDZĀāā ĄĒĒ3š ĀłšÉQāā āĀŌ. ÇŌĕśā 60 gĕĤ ĀŌQĒQđ ŌĀQš ŪŌĤ 25 ŽĀQq vs (ó/òzĤ 0.1)  
 $[a]_D^{20^\circ} = -203 \text{ to } -216^\circ$

$\check{h}/\eta_{\text{sp}} 5.0$  ð3 ĄĀĀł ł : **Sulfated ash** ĶĀŸĒtā āĤĤāā

Determination of water by ĀĬłz óóĀð ĠŌĀŪā ōĤā łĕĤ" jĀzł3 ĶŌ 8zðzĤ łĒ Ątð łĤĤ : **Water** ōĤā  
 ẏzŸŸ ŌŌł ł ŪgāĤā ðñ ĥ0.25 ÇāĀĕ ŸĄĄQĒĒ Ū(1454 ĠĤĀŌā Ū1 ĄŸŌā) A ĠŌĀŪā "the Karl Fischer method  
 $\check{h}/\eta_{\text{sp}} 75$  ð3 ĄĀĀł łš ĥ/Ĥ 40 ð3 ōĤā

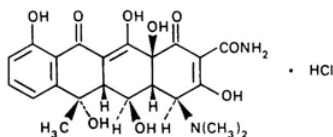
7.5-4.5 jzĀŌāā ĄĒĒðŮ ĤāĤđ ðñ BĀłā ōĤā Ž ŌĤ/Ĥ 10 ĄĒĀQā ōzŸŸ ōĒĒā : **pH value** ōĒĒāā łĕ

Ĭ ĀŌQāā ŽĬ BĄĀ : **Absorption in the ultraviolet region** ÇĒDzĒĀGāā āzł ĠĤĬjā ĠŌŪĤ Ž Ĭ ĀŌQłł  
 łĕ ĠDzĤ ōzŮŮ Ž ĄĒĀĬĀ ĤĤĄ3 Ūvs (ó/òzĤ 0.1) Ōlólíðsólétí Ò ð Ž ŌĤ/ŸāĀđšĀŌĤ 20 ĄĒĀĤ ĄĒ ōzŸŸ  
 ĠŌŮ Ĭ ĤQ ŌŌł ł .ĤĀĀŌĤ ĀŌQzĤĤ 353š ĀŌQzĤĤ 268 ĠDzłtā BzŮ ĄĄ łĕłT3đ ðĀĒĒ ŪĀŌQzĤĤ 400š ĀŌQzĤĤ 230  
 0.58 ð3 ĄĀĀł łš 0.54 ð3 ĀŌQzĤĤ 353 ĠDzĤ ōzŮ ĄĄ łĒ Ĭ ĠĤĀĤā

ðñ ŽŮŮ jĀĤ Ž ŌĤ/Ĥ 2.0 ĄĒĀQā ōzŸŸ ĀĤ3 : **Light-absorbing impurities** ōzĤāā Ĭ ĀŌQāā ĄĒāzĬ  
 ðñ ĒĒģš ĠzĒē ōŸĤ āĀŌłš ł ōzĤĤtā ðñ ĤDģ 99š vs (ó/òzĤ 1) Ōlólíðsólétí Ò ð ðñ Ēģš łDģ  
 ĄĒĀQā ōzŸŸ ĀĤ3 0.25 Ĭ ĄĤāā āšĀDzł ł ŪĀŌQzĤĤ 430 ĠDzłtā ōzŮ ĄĄ łĒ Ĭ ĄŸĤĀĀđ ĠŌŮ Ĭ ĀŌQāā ĶĤĤQāā  
 āĀŌłš ł ōzĤĤtā ðñ ĤDģ 99š vs (ó/òzĤ 1) Ōlólíðsólétí Ò ð ðñ Ēģš łDģ ðñ jĀĤ Ž ŌĤ/Ĥ 10  
 0.20 Ĭ ĄĤāā āšĀDzł ł ŪĀŌQzĤĤ 490 ĠDzĤ ōzŮ ĄĄ łĒ Ĭ ĄŸĤĀĀđ ĠŌŮ Ĭ ĤQ ĶĤĤQāā ðñ ĠzĒē ōŸĤ

ĠłłΣā ĒāĀĤŸŮ ÇĒDzŮzĒGāā ÇĒĀŌtā" jĀzł3 ĶŌ 8zðzĤ łĒ Ątð ÇĒĀŌtā ĒĠŌ : **Assay** ÇĒĀŌtā  
*Bacillus* ĒĤĒtā ĠłŌĤāā (a) Ĥđ ŸĄĄQĒĒ Ū(155 ĠĤĀŌā Ū1 ĄŸŌā)"Microbiological assay of antibiotics  
 Çāāā Ū6.6-6.5 ÇĒĀĒ ōĒĒā 3Ĥ Cml tŌāā Ūēš ŪŌĠĤā ŸzĤĀDzð (NCTC 8241 or ATCC 14884) *pumilus*  
 ĤŸtā Ž Ž ĠĤśā Ēģš 2š 2 łĕ gāĤ) łŮŌĒēĀĤ ŪĒðšQđ ĄĒĀtā ĄĒĀQā ŪTs 4.5 ōĒĒā ŪĠĒŌ3 ĒĀĒēzł  
 ŪŌĠĤā ŸzĤĀDzð (ATCC 11778) *Bacillus cereus* ÇĤĤĬŮā ĠłŌĤāā (b) śĬ ŪŮ39-37 ðĤģ Ēāģ ĠDzŌás Ū(Āđ  
 ŪĒðšQđ ĄĒĀtā ĄĒĀQā ŪTs 4.5 ōĒĒā ŪĠĒŌ3 ĒĀĒēzł Çāāā Ū6.0-5.9 ÇĒĀĒ ōĒĒā 3Ĥ Cml tŌā Ūēš  
 ł jŮ ĤĒ ÇĒĀŌtā ÇĒā .Ů33-30 ðĤģ Ēāģ ĠDzŌás (Āđ ĤŸtā Ž ĠĤśā Ēģš 2š 0.5 łĕ gāĤ) łŮŌĒēĀĤ  
 %95 ðñ ŌĒĬ estimated potency ( $P = 0.95$ ) ĒŌĒŮtā ÇĒŮĀĀŮ ŮŮĀŮ fiducial limits ĒĒŮĤtā āšĄΣā ĄŸł jzŌĤ  
 ŌĒĬ ( $P = 0.95$ ) ĒŌĒŮtā ÇĒŮĀĀŮ ŮŮĀŮ BzŸŮā ĄŮĤtā ĄΣā jzŌł ł jŮš .ĒŌĒŮtā ÇĒŮĀĀā ðñ %105 ðñ ĀŮđ łš  
 .ÇĒĀĤŸāā gāĤā BŮ tẏDZĀāā ÇzĒĒ ŪŸāĀ ĤŸtā Ž łŮŌĒēĀĤ ŪĒðšjā ðñ ĠĤśā Ēģš 900 ðñ





**Chemical name** **УаАЕтОа̄ лѐр̄а̄**

(4*S*,4*aR*,5*S*,5*aR*,6*S*,12*aS*)-4-(Dimethylamino)1,4,4*a*,5,5*a*,6,11,12*a*-octahydro-3,5,6,10,12,12*a*-hexahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide monohydrochloride; [4*S*-(4*a*,4*a*,5*a*,5*a*,6*β*,12*a*)]-4-(dimethylamino)-1,4,4*a*,5,5*a*,6,11,12*a*-octahydro-3,5,6,10,12,12*a*-hexahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide monohydrochloride; CAS Reg. No. 2058-46-0.

**Description** **Зòзòа̄**

**Solubility** **Ĝeḡāzōōā**

**R Kḡjī Ž rš R yózzšóžvō**

**Category** **Ĝāāōā**

**Storage** **ḡāāōā**

**žRōā**

**Labelling** **lēzQōā**

**žRōā**

**žRōā**

**Additional information** **Ĝēžāřŭ ĝāqzYĤḡ**

**žRōā**

**žRōā**

**žRōā**

# REQUIREMENTS **KġwīŕKdž!f**

**General requirement** **yāĤōā āēvŪQḡā**

**žRōā**



.3.0 - 2.0  $\bar{O}\bar{O}\eta/\eta\bar{\eta}$  10  $\bar{A}\bar{E}\bar{O}\bar{A}\bar{Q}\bar{a}$   $\bar{o}\bar{z}\bar{Y}\bar{T}$   $\bar{o}\bar{A}\bar{E}\bar{A}\bar{a}$  :pH value  $\bar{o}\bar{A}\bar{E}\bar{A}\bar{G}\bar{o}\bar{a}$   $\bar{I}\bar{E}$

$\bar{I}$   $\bar{A}\bar{O}\bar{Q}\bar{\eta}\bar{a}$   $\bar{Z}\bar{E}\bar{U}$   $\bar{B}\bar{A}\bar{E}\bar{A}$  :Absortion in the ultraviolet region  $\bar{G}\bar{E}\bar{D}\bar{z}\bar{E}\bar{A}\bar{G}\bar{o}\bar{a}$   $\bar{a}\bar{z}\bar{z}$   $\bar{G}\bar{H}\bar{I}\bar{j}\bar{a}$   $\bar{G}\bar{O}\bar{U}\bar{A}\bar{\eta}$   $\bar{Z}$   $\bar{I}$   $\bar{A}\bar{O}\bar{Q}\bar{\eta}\bar{a}$   $\bar{K}\bar{a}$   $\bar{G}\bar{D}\bar{Z}\bar{z}\bar{\eta}$   $\bar{o}\bar{z}\bar{U}\bar{U}$   $\bar{Z}$   $\bar{A}\bar{E}\bar{A}\bar{I}\bar{A}$   $\bar{A}\bar{\eta}\bar{A}\bar{A}\bar{z}$   $\bar{U}\bar{v}\bar{s}$  ( $\bar{o}/\bar{o}\bar{z}\bar{\eta}$  0.1)  $\bar{O}\bar{I}\bar{o}\bar{z}\bar{Y}\bar{O}\bar{s}\bar{o}\bar{A}\bar{E}\bar{T}\bar{a}$   $\bar{R}\bar{E}\bar{p}$   $\bar{Z}$   $\bar{O}\bar{\eta}/\bar{y}\bar{a}\bar{A}\bar{d}\bar{s}\bar{A}\bar{O}\bar{\eta}$  20  $\bar{A}\bar{E}\bar{O}\bar{A}\bar{K}$   $\bar{B}\bar{a}$   $\bar{o}\bar{z}\bar{Y}\bar{T}$   $\bar{G}\bar{O}\bar{G}\bar{U}$   $\bar{I}$   $\bar{A}\bar{Q}\bar{I}$   $\bar{O}\bar{O}\bar{A}$   $\bar{F}$  . $\bar{M}\bar{G}\bar{A}\bar{O}\bar{K}$   $\bar{A}\bar{Q}\bar{\eta}\bar{z}\bar{Q}\bar{A}\bar{Q}$  353 $\bar{s}$   $\bar{A}\bar{Q}\bar{\eta}\bar{z}\bar{Q}\bar{A}\bar{Q}$  268  $\bar{G}\bar{D}\bar{Z}\bar{z}\bar{t}\bar{a}$   $\bar{B}\bar{z}\bar{U}$   $\bar{A}\bar{A}\bar{z}$   $\bar{K}\bar{E}\bar{t}\bar{T}\bar{z}\bar{U}$   $\bar{d}\bar{o}\bar{A}\bar{E}\bar{g}$   $\bar{U}\bar{A}\bar{Q}\bar{\eta}\bar{z}\bar{Q}\bar{A}\bar{Q}$  400 $\bar{s}$   $\bar{A}\bar{Q}\bar{\eta}\bar{z}\bar{Q}\bar{A}\bar{Q}$  230 .0.58  $\bar{d}\bar{z}$   $\bar{A}\bar{E}\bar{A}\bar{A}$   $\bar{F}$   $\bar{s}$  0.54  $\bar{d}\bar{z}$   $\bar{A}\bar{Q}\bar{\eta}\bar{z}\bar{Q}\bar{A}\bar{Q}$  353  $\bar{G}\bar{D}\bar{Z}\bar{z}\bar{\eta}$   $\bar{o}\bar{z}\bar{U}$   $\bar{A}\bar{A}\bar{z}$   $\bar{I}\bar{E}$  1  $\bar{G}\bar{Q}\bar{A}\bar{A}\bar{z}\bar{a}$

$\bar{d}\bar{\eta}$   $\bar{Z}\bar{o}\bar{U}\bar{\eta}$   $\bar{j}\bar{A}\bar{A}\bar{\eta}$   $\bar{Z}$   $\bar{O}\bar{\eta}/\eta\bar{\eta}$  2.0  $\bar{A}\bar{E}\bar{O}\bar{A}\bar{Q}\bar{a}$   $\bar{o}\bar{z}\bar{Y}\bar{T}$   $\bar{A}\bar{R}\bar{z}$  :Light-absorbing impurities  $\bar{o}\bar{z}\bar{R}\bar{o}\bar{a}$   $\bar{I}$   $\bar{A}\bar{O}\bar{Q}\bar{\eta}\bar{a}$   $\bar{A}\bar{E}\bar{a}\bar{z}\bar{I}$   $\bar{d}\bar{\eta}$   $\bar{g}\bar{A}\bar{E}\bar{g}\bar{a}\bar{s}$   $\bar{G}\bar{z}\bar{A}\bar{E}$   $\bar{o}\bar{Y}\bar{n}$   $\bar{a}\bar{A}\bar{O}\bar{A}\bar{s}$   $\bar{R}$   $\bar{o}\bar{z}\bar{Q}\bar{A}\bar{z}\bar{Y}\bar{t}\bar{a}$   $\bar{d}\bar{\eta}$   $\bar{M}\bar{t}\bar{D}\bar{z}\bar{g}$  99 $\bar{s}$  vs ( $\bar{o}/\bar{o}\bar{z}\bar{\eta}$  1)  $\bar{O}\bar{I}\bar{o}\bar{z}\bar{Y}\bar{O}\bar{s}\bar{o}\bar{A}\bar{E}\bar{T}\bar{a}$   $\bar{R}\bar{E}\bar{p}$   $\bar{d}\bar{\eta}$   $\bar{A}\bar{E}\bar{g}\bar{a}\bar{s}$   $\bar{I}\bar{D}\bar{z}\bar{g}$  .0.50  $\bar{I}$   $\bar{A}\bar{t}\bar{Q}\bar{o}\bar{a}$   $\bar{a}\bar{s}\bar{A}\bar{D}\bar{z}\bar{Q}\bar{A}$   $\bar{F}$   $\bar{U}\bar{A}\bar{Q}\bar{\eta}\bar{z}\bar{Q}\bar{A}\bar{Q}$  430  $\bar{G}\bar{D}\bar{Z}\bar{z}\bar{t}\bar{a}$   $\bar{o}\bar{z}\bar{U}$   $\bar{A}\bar{A}\bar{z}$   $\bar{I}\bar{E}$  1  $\bar{A}\bar{T}\bar{Q}\bar{A}\bar{A}\bar{Q}$   $\bar{G}\bar{O}\bar{G}\bar{U}$   $\bar{I}$   $\bar{A}\bar{O}\bar{Q}\bar{\eta}\bar{a}$   $\bar{K}\bar{R}\bar{H}\bar{U}\bar{Q}\bar{o}\bar{a}$   $\bar{M}\bar{t}\bar{D}\bar{z}\bar{g}$  99 $\bar{s}$  vs ( $\bar{o}/\bar{o}\bar{z}\bar{\eta}$  1)  $\bar{O}\bar{I}\bar{o}\bar{z}\bar{Y}\bar{O}\bar{s}\bar{o}\bar{A}\bar{E}\bar{T}\bar{a}$   $\bar{R}\bar{E}\bar{p}$   $\bar{d}\bar{\eta}$   $\bar{A}\bar{E}\bar{g}\bar{a}\bar{s}$   $\bar{I}\bar{D}\bar{z}\bar{g}$   $\bar{d}\bar{\eta}$   $\bar{j}\bar{A}\bar{A}\bar{\eta}$   $\bar{Z}$   $\bar{O}\bar{\eta}/\eta\bar{\eta}$  10  $\bar{A}\bar{E}\bar{O}\bar{A}\bar{Q}\bar{a}$   $\bar{o}\bar{z}\bar{Y}\bar{T}$   $\bar{A}\bar{R}\bar{z}$   $\bar{a}\bar{s}\bar{A}\bar{D}\bar{z}\bar{Q}\bar{A}$   $\bar{F}$   $\bar{U}\bar{A}\bar{Q}\bar{\eta}\bar{z}\bar{Q}\bar{A}\bar{Q}$  490  $\bar{G}\bar{D}\bar{Z}\bar{z}\bar{\eta}$   $\bar{o}\bar{z}\bar{U}$   $\bar{A}\bar{A}\bar{z}$   $\bar{I}\bar{E}$  1  $\bar{A}\bar{T}\bar{Q}\bar{A}\bar{A}\bar{Q}$   $\bar{G}\bar{O}\bar{G}\bar{U}$   $\bar{I}$   $\bar{A}\bar{Q}\bar{I}$   $\bar{K}\bar{R}\bar{H}\bar{U}\bar{Q}\bar{o}\bar{a}$   $\bar{d}\bar{\eta}$   $\bar{G}\bar{z}\bar{A}\bar{E}$   $\bar{o}\bar{Y}\bar{n}$   $\bar{a}\bar{A}\bar{O}\bar{A}\bar{s}$   $\bar{R}$   $\bar{o}\bar{z}\bar{Q}\bar{A}\bar{z}\bar{Y}\bar{t}\bar{a}$   $\bar{d}\bar{\eta}$  .0.20  $\bar{I}$   $\bar{A}\bar{t}\bar{Q}\bar{o}\bar{a}$

$\bar{G}\bar{A}\bar{z}\bar{E}\bar{\Sigma}\bar{a}$   $\bar{g}\bar{A}\bar{A}\bar{R}\bar{t}\bar{Y}\bar{o}$   $\bar{G}\bar{E}\bar{D}\bar{Z}\bar{z}\bar{o}\bar{z}\bar{E}\bar{a}\bar{O}\bar{E}\bar{t}\bar{a}$   $\bar{G}\bar{E}\bar{A}\bar{A}\bar{O}\bar{t}\bar{a}$ "  $\bar{j}\bar{A}\bar{z}\bar{A}\bar{z}$   $\bar{K}\bar{O}$  8 $\bar{z}\bar{o}\bar{z}\bar{\eta}$   $\bar{z}\bar{E}$   $\bar{A}\bar{t}\bar{o}$   $\bar{G}\bar{E}\bar{A}\bar{A}\bar{O}\bar{t}\bar{a}$   $\bar{E}\bar{G}\bar{O}\bar{K}$  :Assay  $\bar{G}\bar{E}\bar{A}\bar{A}\bar{O}\bar{t}\bar{a}$   $\bar{B}\bar{a}\bar{c}\bar{i}\bar{l}\bar{l}\bar{u}\bar{s}$   $\bar{g}\bar{A}\bar{t}\bar{E}\bar{t}\bar{a}$   $\bar{G}\bar{A}\bar{z}\bar{O}\bar{H}\bar{o}\bar{a}$  (a)  $\bar{A}\bar{\eta}\bar{U}$   $\bar{y}\bar{A}\bar{A}\bar{Q}\bar{E}\bar{A}$   $\bar{U}$ (155  $\bar{G}\bar{H}\bar{A}\bar{O}\bar{o}\bar{a}$   $\bar{U}$ 1  $\bar{A}\bar{E}\bar{Y}\bar{O}\bar{a}$ ) "Microbiological assy of antibiotics  $\bar{G}\bar{a}\bar{o}\bar{A}\bar{a}$   $\bar{U}$ 6.6-6.5  $\bar{H}\bar{a}\bar{K}\bar{E}$   $\bar{o}\bar{A}\bar{E}\bar{A}\bar{a}$   $\bar{z}\bar{\eta}$   $\bar{C}\bar{m}\bar{l}$   $\bar{t}\bar{o}\bar{A}\bar{o}\bar{a}$   $\bar{U}\bar{e}\bar{s}$   $\bar{U}\bar{o}\bar{A}\bar{Q}\bar{n}\bar{a}$   $\bar{y}\bar{z}\bar{Q}\bar{A}\bar{D}\bar{z}\bar{o}$  (NCTC 8241 or ATCC 14884) *pumilus*  $\bar{H}\bar{Y}\bar{E}\bar{t}\bar{a}$   $\bar{Z}$   $\bar{Z}$   $\bar{G}\bar{E}\bar{o}\bar{s}\bar{A}$   $\bar{g}\bar{A}\bar{E}\bar{g}\bar{s}$  20 $\bar{s}$  2  $\bar{K}\bar{a}$   $\bar{g}\bar{A}\bar{A}\bar{z}$ )  $\bar{K}\bar{Y}\bar{O}\bar{E}\bar{a}\bar{A}\bar{Q}\bar{K}$   $\bar{H}\bar{E}\bar{O}\bar{s}\bar{Q}\bar{I}$   $\bar{A}\bar{E}\bar{e}\bar{A}\bar{A}\bar{t}\bar{a}$   $\bar{A}\bar{E}\bar{O}\bar{A}\bar{Q}\bar{o}\bar{a}$   $\bar{U}\bar{T}\bar{S}$  4.5  $\bar{o}\bar{A}\bar{E}\bar{A}\bar{a}$   $\bar{U}\bar{G}\bar{t}\bar{E}\bar{O}\bar{z}$   $\bar{g}\bar{A}\bar{A}\bar{e}\bar{z}\bar{z}$   $\bar{U}\bar{o}\bar{A}\bar{Q}\bar{n}\bar{a}$   $\bar{y}\bar{z}\bar{Q}\bar{A}\bar{D}\bar{z}\bar{o}$  (ATCC 11778) *Bacillus cereus*  $\bar{G}\bar{E}\bar{H}\bar{t}\bar{I}\bar{o}\bar{a}$   $\bar{G}\bar{A}\bar{z}\bar{O}\bar{H}\bar{o}\bar{a}$  (b)  $\bar{s}\bar{U}$   $\bar{U}\bar{o}\bar{y}\bar{z}\bar{3}\bar{9}$ -37  $\bar{d}\bar{R}\bar{I}\bar{g}$   $\bar{g}\bar{o}\bar{A}\bar{A}\bar{g}$   $\bar{G}\bar{D}\bar{z}\bar{o}\bar{A}\bar{s}$   $\bar{U}$ ( $\bar{A}\bar{Q}\bar{o}$   $\bar{H}\bar{Y}\bar{E}\bar{t}\bar{a}$   $\bar{Z}$   $\bar{G}\bar{E}\bar{o}\bar{s}\bar{A}$   $\bar{g}\bar{A}\bar{E}\bar{g}\bar{s}$  2 $\bar{s}$  0.5  $\bar{K}\bar{a}$   $\bar{g}\bar{A}\bar{A}\bar{z}$ )  $\bar{K}\bar{Y}\bar{O}\bar{E}\bar{a}\bar{A}\bar{Q}\bar{K}$  %95  $\bar{d}\bar{\eta}$   $\bar{O}\bar{E}\bar{U}$  estimated potency ( $P = 0.95$ )  $\bar{g}\bar{o}\bar{A}\bar{E}\bar{O}\bar{t}\bar{a}$   $\bar{G}\bar{E}\bar{Y}\bar{z}\bar{A}\bar{A}\bar{V}\bar{o}$   $\bar{U}\bar{U}\bar{A}\bar{V}\bar{o}$  fiducial limits  $\bar{g}\bar{A}\bar{t}\bar{O}\bar{H}\bar{t}\bar{a}$   $\bar{A}\bar{s}\bar{A}\bar{E}\bar{\Sigma}\bar{a}$   $\bar{A}\bar{T}\bar{Y}\bar{z}$   $\bar{j}\bar{z}\bar{O}\bar{K}$   $\bar{O}\bar{E}\bar{U}$  ( $P = 0.95$ )  $\bar{g}\bar{o}\bar{A}\bar{E}\bar{O}\bar{t}\bar{a}$   $\bar{G}\bar{E}\bar{Y}\bar{z}\bar{A}\bar{A}\bar{V}\bar{o}$   $\bar{B}\bar{z}\bar{Y}\bar{H}\bar{o}\bar{a}$   $\bar{A}\bar{t}\bar{O}\bar{H}\bar{t}\bar{a}$   $\bar{A}\bar{E}\bar{\Sigma}\bar{a}$   $\bar{j}\bar{z}\bar{O}\bar{A}$   $\bar{F}$   $\bar{j}\bar{U}\bar{s}$  . $\bar{g}\bar{o}\bar{A}\bar{E}\bar{O}\bar{t}\bar{a}$   $\bar{G}\bar{E}\bar{Y}\bar{z}\bar{A}\bar{A}\bar{V}\bar{o}$   $\bar{d}\bar{\eta}$  %105  $\bar{d}\bar{\eta}$   $\bar{A}\bar{z}\bar{O}\bar{U}$   $\bar{F}\bar{s}$  . $\bar{G}\bar{E}\bar{a}\bar{A}\bar{\eta}\bar{Y}\bar{o}\bar{a}$   $\bar{g}\bar{A}\bar{A}\bar{t}\bar{a}$   $\bar{B}\bar{U}$   $\bar{t}\bar{z}\bar{D}\bar{z}\bar{A}\bar{o}\bar{A}\bar{a}$   $\bar{G}\bar{a}\bar{z}\bar{E}\bar{T}$   $\bar{U}\bar{y}\bar{a}\bar{A}\bar{d}$   $\bar{H}\bar{Y}\bar{E}\bar{t}\bar{a}$   $\bar{Z}$   $\bar{K}\bar{Y}\bar{O}\bar{E}\bar{a}\bar{A}\bar{Q}\bar{K}$   $\bar{H}\bar{E}\bar{O}\bar{s}\bar{J}\bar{I}$   $\bar{d}\bar{\eta}$   $\bar{G}\bar{E}\bar{o}\bar{s}\bar{A}$   $\bar{g}\bar{A}\bar{E}\bar{g}\bar{s}$  870  $\bar{d}\bar{\eta}$

!İsyİe üFDzyfzÜe üWÜ Džİ+İyzεFH İz İNjÜε qİfNj+İ NjβqİNVİİ hİzF'Td İfG+U'HDž

#### Additional requierments for Oxytetracycline hydrochloride for sterile use

Test for sterility of non injectable  $\bar{d}\bar{O}\bar{H}\bar{U}\bar{V}\bar{o}$   $\bar{g}\bar{A}\bar{E}\bar{H}\bar{t}\bar{a}$   $\bar{K}\bar{d}$   $\bar{g}\bar{A}\bar{A}\bar{R}\bar{H}\bar{U}\bar{Q}\bar{E}\bar{t}\bar{a}$   $\bar{G}\bar{\eta}\bar{A}\bar{O}\bar{z}$   $\bar{O}\bar{D}\bar{z}\bar{j}$   $\bar{o}\bar{A}\bar{Q}\bar{n}\bar{r}\bar{a}$ "  $\bar{g}\bar{A}\bar{s}\bar{A}\bar{z}\bar{j}$   $\bar{A}\bar{E}\bar{D}\bar{z}\bar{Q}\bar{E}\bar{A}$  .( $\bar{G}\bar{A}\bar{A}\bar{E}\bar{Y}\bar{O}\bar{Q}\bar{A}$   $\bar{G}\bar{H}\bar{G}\bar{U}\bar{o}\bar{a}$   $\bar{Z}$  32  $\bar{G}\bar{H}\bar{A}\bar{O}\bar{o}\bar{a}$   $\bar{U}\bar{s}$   $\bar{A}\bar{E}\bar{Y}\bar{O}\bar{a}$ ) "preparations

$\bar{o}\bar{A}\bar{Q}\bar{n}\bar{r}\bar{a}$ "  $\bar{j}\bar{A}\bar{z}\bar{A}\bar{z}$   $\bar{K}\bar{O}$  8 $\bar{z}\bar{o}\bar{z}\bar{\eta}$   $\bar{z}\bar{E}$   $\bar{A}\bar{t}\bar{o}$   $\bar{o}\bar{A}\bar{Q}\bar{n}\bar{r}\bar{a}$   $\bar{E}\bar{G}\bar{O}\bar{A}$  :Bacterial endotoxins  $\bar{G}\bar{E}\bar{\eta}\bar{z}\bar{Q}\bar{A}\bar{z}\bar{a}$   $\bar{G}\bar{E}\bar{Y}\bar{n}\bar{a}\bar{A}\bar{E}\bar{o}\bar{a}$   $\bar{g}\bar{A}\bar{Q}\bar{A}\bar{A}\bar{O}\bar{o}\bar{a}$   $\bar{F}$   $\bar{U}$ (30  $\bar{G}\bar{H}\bar{A}\bar{O}\bar{o}\bar{a}$   $\bar{U}\bar{G}\bar{A}\bar{A}\bar{E}\bar{Y}\bar{O}\bar{Q}\bar{A}$   $\bar{G}\bar{H}\bar{G}\bar{U}\bar{o}\bar{a}$   $\bar{U}\bar{s}$   $\bar{A}\bar{E}\bar{Y}\bar{O}\bar{a}$ ) "Test for Bacterial endotoxins  $\bar{G}\bar{E}\bar{Y}\bar{n}\bar{a}\bar{A}\bar{E}\bar{o}\bar{a}$   $\bar{G}\bar{E}\bar{\eta}\bar{z}\bar{Q}\bar{A}\bar{z}\bar{a}$   $\bar{g}\bar{A}\bar{Q}\bar{A}\bar{A}\bar{O}\bar{o}\bar{a}$   $\bar{O}\bar{D}\bar{z}\bar{j}$















3rZl 3te E3 TS (o/h 1000~) OLAQoa Rb dñ On 2.5 8ARls UMLAOK °45 GlSaAa GVDZSa oAl UGEDZADZAOa UETAOa O3AAQoa UAQXS asAQOoa AEEDU dAnA OOIqk 20qG GzA8oa gwaAg GDZoa AOQEDo jAta OAQl .GVDZSa lz Z Zhsu ZUya UchAEls 3tOoa E3 TS (o/h1760~) OlozAIEoa Rb dñ On 2.5 8ARl .(Goea 30 – 5) UoW TS (o/h1000~) OLAQoa Rb dñ On 2.5 8ARl Z UaAl .KLOOa AEEDU UyYq dAnA OOIqk 20qG 50 8ARl Z UZAnu gAn GYtHoa OOL aAhk UaAl .KLOOa AEEDU UyYq dAnA OOIqk 20qG Zanu gAn chAEl ZOq BU ozozoa 20qG ozY+a 28l UtOoa tAAl .GVDZSa Z ZUIoa Oae 3tzs 3tOoa ZUIo UoAn On On 250 o 3Eql OOl 3te BU OAl .GzA8oa gwaAg GDZoa BU ozozoa 20qG aAls U(On 25 Gaa) MAAOK ctDzg Rb dñ On 1s TS (o/h 20) yZlAzOoa GwaMq gAqlAnu dñ On 1 8ARl .On 50 BU oAta ZASs oAta GpAHQerA GeE3 yozzsOoa dñ GÖYn Anu 2OK 20qG R yozzsOoa dñ gK8o yAEua OVAQElS R UdzYoa OEQejā 10s UoAn On 90 Uvs (o/ozn 0.125) OlozAIEoa Rb dñ On 50 8ARls yozzsOoa GÖYn 2nAk .JZYoa dñ oADZua UTS BAEHtj JsAEJLAoa ozYT 8ARl .TS (o/h 200) knYEEdsOAEtA ALozVdsOAEl ozYT dñ On UyozsOoa OGü oAOApha GtEA UBAEDZ jAta 3Al UGzArU Od AEa .On 10 gaa GgHuE dñ UOn 0.5 – 0.3 .3Aa AEa ARnu TS BAEHtj JsAEJLAoa ozYT 2OAl 20qG 3Al .2naks AjDU BzQO r .oAQnra gAn Z gAZDZtj EGAAa GtO AEEO UyAAQEtj TS BAEHtj JsAEJLAoa ozYT lDzg dñ .yaA8oa Z EGAAa dñ yaAdsaOn 20 dñ yZlAzOoa AEEDsOAEl dñ On 5 8ARl UoAn On 50 Z UGuzGRn Gpsazn UH 0.1 Gaa āā :Assay GEAAOtā dñ On 1 OÖ uzAOl .vs (o/ozn 0.02) OEOGAoa gAAQa AlAHls TS JsAEJLAoa dñ On 0.2s vs (o/ozn 1) .C5H11NO2S dñ lln 5.968 vs (o/ozn 0.02) OEOGAoa gAAQp

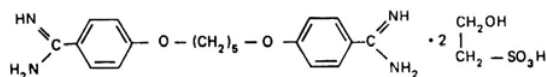
## PENTAMIDINI ISETIONAS

Pentamidine isetionate DžijDžFtGne lFžNjHYRā

C<sub>19</sub>H<sub>24</sub>N<sub>4</sub>O<sub>2</sub>·2C<sub>2</sub>H<sub>6</sub>O<sub>4</sub>S :Molecular formula GEAAZā G8EOoa

592.7 :Relative molecular mass GEGEAoa GEAAZā GYQOoa

:Graphic formula GEQAGtā G8EOoa









ԳԾՀՃԱԶ ԳՄՃԱՆ ՍՐ6 silica gel ՆՕՄԵՄԵՃԱ ԶՆԿԼ ԿԱԶԱՂԵՆԱՆ Ս(84 ԶԽԱՕՃԱ Ս1 ՆՅՕՃ) Ս"Thin-layer chromatography  
 ՆՅՄՃԱ ԳՕԳՕՃԱ ՕՆԽՈՆ ՋՀՍՃՏ Ս(ԳՏԻՄՆ ԲՅՈՒ ՅՆՕՆ ՈՆ ԳՄՃԵՂ ԶԽԱՕՃԱ) ԳՄՃՆ ԳԱՏՕ ՍՃՀԻՆ ԳՆՆ ԿՅ105 ԳՅՆԱԳ  
 ԷԳՍԼ .ԳՃԽՈՒ Բ ՄԾՀԿՃԱ ՕՄՈՒԵՂՃ ՐԵՐ ՈՆ ԿՏԾՀԳՏ ՍՐ ՕՀՈՒԿՃՃ -1 ՈՆ ԿՀԾՀԳ 8 ՍՅՆ ԿՀԾՀԳ 10 ՃՆԱ ԳՐՕԽՈՒԵՂՃ  
 ԱՅՍ ՄՅԵՂՃ Ճ ՅՈՂՈՒՐՃ ԳԱՆ ՈՆ ՈՆ 50 ԶՅ3 (A) ԲՀՈՅ :Բ ՕՀՈՒԿՃՃ Ճ ԿՅՀՄԵ ՈՆ ԱՅՍԱՕՆ 10 ԶԽԱՕՃԱ ԶՅ3 ՄՕԱՆ  
 ՍԱՆԱԻՂԵՐՃ ԳԱԾՀԳ ՈՆ ԶԽԱՕՃԱ ԽԱՍ ՆՅՆ .ԱՅՍ ՄՅԵՂՃ Ճ ՅՈՂՈՒՐՃ ԳԱՆ ՈՆ ՈՆ 0.25 (B)Տ (ԳՅՍԱՐՃԱ ՆԱ3 ՍՅՀՆԱ)  
 ՈՆ յՈՒՂ ԳՐՕՃ ԶՆՍ յՀՕՒ Բ .(ԱՅՆԶՈՒՍ 254) ԳԵԾՀԵԱԳՃԱ զՀՂ ԳՄՂ յՆԱ ՆԱՆԱԻՂԵՐՃ ՍՍՍ ՕՆԱՆՏ ՍՅՀԵՂՃ Ճ ՃԾՀՈՍ ՕՆԱՂՒ  
 .Բ ՕՀԿՃՃ ՈՆ ԳՅՈՒՃ ՕՒՂ ՈՆ ԳՆՂ ՃՅՕՍ ՍՅԵԵԱՆՃԱ ԳՐՕՃԱ ՕՆԱՂՈՒՆԱ ՍԱ ՕՀԿՃՃ

Determination of ԿԾՀՏԱՂԱՃ ԿԵՃԿ" յՀՀԱ3 ԿՕ 8ՀՅՂՆ ՀԼ ՆՆ ՆԵՄԱ Ա ԳՕՆԱՕՃԱ ԷԳՍԼ :Assay ԳԵՆԱՕՂՃ  
 ՐԵՐ ՈՆ ՕՆ ԳՏ ՍՅԵՂՂԵՐՆ ԳՅՏՀՂ ՍՆԳՆԱՕՒՂ ՅՈՂՈՒՐՃ ԳԱՆ ՈՆ Ն 0.4 ԿԱԶԱՂԵՆԱՆ Ս(147 ԶԽԱՕՃԱ Ս1 ՆՅՕՃ) "nitrogen  
 ՍՀՈՒ vs (Օ/ՕՀՆ 0.05) ՕՆՈՂԱՅԵՃԱ ՐԵՐ ՈՆ ՕՆ 1 ՕՕ .TS (Օ/Ն 1760~) ԿԾՀՏԱՂԱՃ ՈՆ ԲԱՂՃ ՕՆՈՂԱՅԵՃԱ  
 .C<sub>19</sub>H<sub>24</sub>N<sub>4</sub>O<sub>2</sub>.2CH<sub>4</sub>O<sub>3</sub>S ՈՆ ՈՆ 13.32

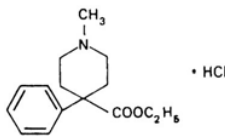
## PETHIDINI HYDROCHLORIDUM

Pethidine hydrochloride ԾՀՊԻԿԼՈՒ ՊԻՐՆԻԼՆԻՅՈՒԼԵ

C<sub>15</sub>H<sub>21</sub>NO<sub>2</sub>.HCl :Molecular formula ԳԵՆԱՂՃ ԳՅԵՕՃԱ

283.8 :Relative molecular mass ԳԵԳԵԱՃԱ ԳԵՆԱՂՃ ԳՅՈՕՃԱ

:Graphic formula ԳԵՈՒԵԳՃԱ ԳՅԵՕՃԱ



:Chemical name ԵՅՆԱԵՏՕՃԱ յԵՐՃ

Ethyl 1-methyl-4-phenylisonipeccotatate hydrochloride; ethyl 1-methyl-4-phenyl-4-piperidinecarboxylate hydrochloride; CAS Reg. No. 50-13-5.

.ՈՆԱԿԵԳՃԱ ՆՈՂԿՕՏՕՆԵԼ :Other name ՆՆՅՃ յԵՐՃ

.ԶԽԱՆՃԱ ԿՆՅ ՍՅՀԿՃ ՐԵՆՍ ՍԲՅՀՆ զՀԽԵՆ :Description ՃՅՀՃԱ

.ՆՅՄԵՂ Բ ԿՅՂՃ Ճ ՆԱՏՃ Բ ՍԵՏ (Օ/Ն750~) ՕՀՈՒԿՃ Ճ ՆԱՏՃ ՍՅՀՃ Ճ ՆԱԾՀ ՆԱՏՃ :Solubility ԳԵՈՒՆՏՕՃԱ















.MGAOK °y138 UOTOPa CDZoa :C

jiz3 KO 8zozn zL ito h 1.0 OTHQEL oAQnra ozYT KRO 8eo :Heavy metals GYEOZoa JaaHta  
U(127 CHAOoa U1 AYOA) 3 GOLAUoa AEW "Limit test for heavy metals GYEOZoa JaaHta ODZj BAZa oAQnra"  
.h/yAAsAOu 20 du AzoU Eeo U(128 CHAOoa U1 AYOA) A GOLAUoa AEW GYEOZoa JaaHta du ZzQ+i aAZ

.h/nln 1 du AzoU Eeo :Sulfated ash KAYEtJ aaqAoa

Eeo) RAAAn U8r KO °y50 goAg GDZoa KAzoa Jaoa zOg Zaz :Loss on drying ZADZoa AOAoa  
.h/nln 5.0 du AzoU AOAL r UKOzae ga (MGAOK UOaa ln 5 s) oAOeazYEo 0.6 du AzoU

GOOoa aaAIQei" jiz3 KO 8zozn zL ito oAQnra EGOL :Related substances GOAIJa aaZta  
gaatO R5 silica gel AOYEEOa GnYL yaAAQeA U(84 CHAOoa U1 AYOA) "Thin-layer chromatographyGOAoa  
.GAUGn Kd gADzg OTHQEK .OAHOu oZUO R oZQAjEtJ du MtDzg 15s R dazozUoa du MtDzg 85 du jAnS Gv8n  
50 (A) BzZ :R yozysozYOoa Z kizYT du AOAsAOu 10 UR KDZsAOoa du oAeK Z UCHUAOA zV3 MOAAn EGOL  
du AOAsAOu 2 MRU EGOL UAOo UYEta Z RS OEQazOLAaEOa du nln 50 (B)s AOo UYEta Z oAQnra gaAn du nln  
OEQazOLAaEOa du nln 1.0 (D)s AOo UYEta Z RS OEQazOLAaEOa du nln 0.5 (C) BzZ :R yozysozYOoa Z kizYT  
Z ZDzo OAQ Ua aaAIQera gADzg du CHUAOA tAp AEHa .le 7 azHOoa OAHOta oZUO GtEA .AOo UYEta Z RS  
UUAtJ OHAL .GOAa 20 gaAn AOQEo OAQs azEoa gAnU 3n gADzg Z CHUAOA 3rzK Uuzaa oazL oAeK  
OvK du gaY AzoU UGEEOAoa GHOoa oAAQeA UA oZY+a du jQAK GHOa Gnu JZOK r .oAXAoa ozr Z Wozz UOaaAIQera  
.D oZY+i du GOAoa OvK du gaY AzoU JZOK r UOoa GEeAejj GHOoa azZ GHOa aAZ An UC oZY+a du GOAoa

jQEO (o/h 750~) R oZQAjEtJ du GEZaO GEto Z UGuzGRn Gpsazn Unln 0.04 GaAe aaol :Assay GEAAOtJ  
C<sub>19</sub>H<sub>24</sub>N<sub>2</sub>O<sub>2</sub> GEto AEEO .AOuzQAp 265 GDZn oZUa UtTzjA QAg Z le 1 GpAAza GOOo i Atooa aAO UOn 100  
.duAOas GOAIJa i zHAtJ URS OEQazOLAaEOa 3n GpAOta GdzHAtJ gaAtJ Z

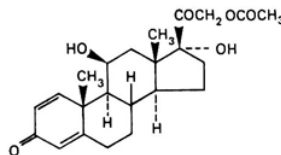
## PREDNISOLONI ACETAS

Prednisolone acetate DžNjlnjRžwqBĞ l FHzc

C<sub>23</sub>H<sub>30</sub>O<sub>6</sub> :Molecular formula GEAAza GEEOoa

402.5:Relative molecular mass GEEOoa GEAAza GYQOoa

:Graphic formula  $\check{G}e\check{p}A\check{E}G\check{t}\check{a}\check{G}8\check{E}\check{O}\check{a}$



:Chemical name  $\check{U}\check{a}\check{A}\check{E}\check{t}\check{E}\check{O}\check{a}\check{J}\check{e}\check{r}\check{a}$

11β,17,21-Trihydroxypregna-1,4-diene-3,20-dione 21-acetate;  
21-(acetyloxy)-11β,17-dihydroxypregna-1,4-diene-3,20-dione; CAS Reg. No. 52-21-1.

. $\check{G}H\check{u}\check{a}\check{A}\check{O}\check{a}\check{C}\check{A}\check{E}\check{J}\check{U}\check{M}\check{G}\check{A}\check{O}\check{K}\check{R}\check{E}\check{a}\check{U}\check{S}\check{U}\check{R}\check{E}\check{a}\check{U}\check{J}\check{Z}\check{Y}\check{a}\check{U}\check{B}\check{o}\check{Z}\check{Y}\check{a}\check{a}\check{Z}\check{H}\check{u}\check{E}\check{U}$  :Description  $Z\check{o}\check{Z}\check{O}\check{a}$

$\check{U}\check{R}\check{J}\check{Z}\check{Q}\check{E}\check{j}\check{a}\check{S}\check{U}\check{T}\check{S}(\check{o}/\check{h}\check{7}50\sim)$   $\check{o}\check{Z}\check{Q}\check{A}\check{J}\check{I}\check{Q}\check{a}\check{Z}\check{J}\check{A}\check{s}\check{O}\check{a}\check{G}\check{E}\check{H}\check{U}\check{U}\check{M}\check{E}\check{Y}\check{t}\check{J}\check{o}\check{A}\check{t}\check{a}\check{Z}\check{a}\check{s}\check{a}\check{r}$  :Solubility  $\check{G}\check{E}\check{p}\check{A}\check{s}\check{O}\check{a}$

. $R\check{y}\check{o}\check{Z}\check{Z}\check{S}\check{o}\check{Z}\check{Y}\check{O}\check{a}\check{S}$

. $B\check{A}\check{I}\check{T}\check{O}\check{J}\check{Z}\check{U}\check{A}\check{L}$  :Category  $\check{G}\check{A}\check{A}\check{O}\check{a}$

. $\check{o}\check{Z}\check{R}\check{O}\check{a}\check{D}\check{U}\check{Z}\check{J}\check{U}\check{S}\check{U}\check{M}\check{A}\check{E}\check{D}\check{Z}\check{G}\check{O}\check{Y}\check{8}\check{U}\check{G}\check{A}\check{s}\check{A}\check{g}\check{Z}\check{J}\check{Z}\check{o}\check{S}\check{A}\check{E}\check{p}\check{a}\check{A}\check{O}\check{a}\check{g}\check{A}\check{Q}\check{E}\check{U}\check{S}\check{A}\check{g}\check{A}\check{E}\check{Z}$  :Storage  $D\check{A}\check{A}\check{Q}\check{O}\check{a}$

. $\check{O}\check{O}\check{A}\check{Q}\check{O}\check{a}\check{J}\check{U}\check{M}\check{G}\check{A}\check{O}\check{K}\check{o}\check{Y}235\check{o}\check{A}\check{T}\check{O}\check{p}\check{a}\check{G}\check{D}\check{Z}\check{o}\check{A}\check{J}\check{Z}\check{o}\check{S}\check{A}\check{E}\check{p}\check{a}\check{A}\check{O}\check{a}\check{g}\check{A}\check{Q}\check{E}\check{j}$  :Additional information  $\check{G}\check{E}\check{Z}\check{A}\check{r}\check{U}\check{g}\check{A}\check{U}\check{Z}\check{Y}\check{H}\check{U}$

# REQUIREMENTS $K\check{C}\check{h}\check{u}\check{I}\check{S}\check{K}\check{d}\check{Z}\check{I}\check{f}$

$D\check{J}\check{A}\check{A}\check{A}\check{r}\check{S}\%96.0$   $D\check{J}\check{O}\check{O}\check{A}\check{r}\check{A}\check{U}\check{Z}\check{J}\check{Z}\check{o}\check{S}\check{A}\check{E}\check{p}\check{a}\check{A}\check{O}\check{a}\check{g}\check{A}\check{Q}\check{E}\check{U}\check{B}\check{Z}\check{Q}\check{O}$  :General requirement  $\check{Y}\check{A}\check{J}\check{A}\check{E}\check{Y}\check{U}\check{Q}\check{U}$

. $\check{G}\check{A}\check{A}\check{O}\check{a}\check{g}\check{A}\check{t}\check{a}\check{B}\check{U}\check{t}\check{Z}\check{D}\check{Z}\check{A}\check{o}\check{A}\check{a}\check{G}\check{a}\check{Z}\check{E}\check{T}\check{U}\check{C}_{23}\check{H}_{30}\check{O}_6$   $D\check{U}\%104.0$

:Identity test  $h\check{u}\check{Y}\check{N}\check{Y}\check{U}\check{I}\check{E}\check{I}\check{E}\check{p}\check{F}\check{G}\check{I}\check{Q}\check{I}\check{E}$

. $C\check{S}\check{B}\check{D}\check{A}\check{Q}\check{Q}\check{n}\check{r}\check{a}\check{S}\check{U}\check{C}\check{S}\check{A}\check{D}\check{A}\check{Q}\check{Q}\check{n}\check{r}\check{a}\check{A}\check{U}\check{E}\check{G}\check{U}\check{K}\check{D}\check{O}\check{Z}\bullet$

Spectrophotometry in  $\check{o}\check{a}\check{A}\check{t}\check{\Sigma}\check{a}\check{K}\check{O}\check{G}\check{O}\check{U}\check{A}\check{t}\check{a}\check{Z}\check{U}\check{a}\check{Z}\check{R}\check{O}\check{a}\check{Z}\check{E}\check{U}\check{O}\check{a}\check{a}\check{A}\check{E}\check{S}"\check{J}\check{a}\check{Z}\check{A}\check{J}\check{K}\check{O}\check{8}\check{Z}\check{o}\check{Z}\check{t}\check{a}\check{o}\check{A}\check{Q}\check{Q}\check{n}\check{r}\check{a}\check{E}\check{G}\check{U}\check{I}:\check{A}$

$D\check{U}\check{J}\check{K}\check{A}\check{M}\check{O}\check{a}\check{Z}\check{E}\check{U}\check{O}\check{a}\check{J}\check{U}\check{o}\check{a}\check{A}\check{t}\check{\Sigma}\check{a}\check{K}\check{O}\check{G}\check{H}\check{I}\check{j}\check{a}\check{i}\check{A}\check{O}\check{Q}\check{U}\check{Q}\check{a}\check{Z}\check{E}\check{U}\check{E}\check{a}\check{A}\check{U}\check{Q}\check{U}\check{.}(43\check{G}\check{H}\check{u}\check{A}\check{O}\check{a}\check{U}\check{1}\check{A}\check{E}\check{Y}\check{O}\check{a})$  "the infrared region

. $\check{J}\check{Z}\check{o}\check{S}\check{A}\check{E}\check{p}\check{a}\check{A}\check{O}\check{a}\check{g}\check{A}\check{Q}\check{E}\check{j}\check{U}\check{H}\check{D}\check{Z}\check{A}\check{t}\check{a}\check{Z}\check{E}\check{U}\check{O}\check{a}\check{J}\check{U}\check{S}\check{J}\check{Z}\check{o}\check{S}\check{A}\check{E}\check{p}\check{a}\check{A}\check{O}\check{a}\check{g}\check{A}\check{Q}\check{E}\check{U}$

"Thin-layer chromatography  $\check{G}\check{O}\check{E}\check{A}\check{O}\check{a}\check{G}\check{O}\check{G}\check{U}\check{O}\check{a}\check{a}\check{A}\check{I}\check{Q}\check{e}\check{i}"\check{J}\check{a}\check{Z}\check{A}\check{J}\check{K}\check{O}\check{8}\check{Z}\check{o}\check{Z}\check{U}\check{Z}\check{L}\check{A}\check{U}\check{A}\check{E}\check{U}\check{I}\check{o}\check{A}\check{Q}\check{Q}\check{n}\check{r}\check{a}\check{Z}\check{A}\check{Z}:\check{B}$

$\check{A}\check{E}\check{U}\check{A}\check{U}\check{o}\check{Z}\check{A}\check{O}\check{a}\check{D}\check{U}\check{Y}\check{Z}\check{D}\check{Z}\check{g}\check{10}\check{D}\check{U}\check{J}\check{A}\check{A}\check{U}\check{S}\check{G}\check{Y}\check{Y}\check{8}\check{U}\check{g}\check{A}\check{A}\check{t}\check{O}\check{R}\check{1}(\check{A}\check{L}\check{Z}\check{e}\check{a}\check{E}\check{L}\check{O})\check{o}\check{Z}\check{8}\check{Y}\check{E}\check{I}\check{O}\check{a}\check{Y}\check{a}\check{A}\check{A}\check{Q}\check{e}\check{A}\check{a}\check{U}(84\check{G}\check{H}\check{u}\check{A}\check{O}\check{a}\check{U}\check{1}\check{A}\check{E}\check{Y}\check{O}\check{a})$

$\check{t}\check{A}\check{A}\check{K}\check{O}\check{a}\check{B}\check{U}\check{A}\check{E}\check{U}\check{t}\check{a}\check{o}\check{Z}\check{o}\check{S}\check{A}\check{E}\check{H}\check{a}\check{.}\check{M}\check{G}\check{A}\check{O}\check{K}\check{O}\check{a}\check{A}\check{E}\check{O}\check{a}\check{Z}\check{J}\check{U}\check{U}\check{5}\check{A}\check{T}\check{E}\check{U}\check{8}\check{Q}\check{a}\check{U}\check{G}\check{H}\check{u}\check{E}\check{A}\check{O}\check{a}\check{A}\check{E}\check{A}\check{I}\check{Q}\check{O}\check{R}\check{J}\check{Z}\check{Q}\check{E}\check{j}\check{a}\check{D}\check{U}\check{A}\check{t}\check{D}\check{Z}\check{g}\check{90}\check{S}\check{R}$

















Spectrophotometry in the infrared region of the spectrum (4300-600 cm<sup>-1</sup>) "the infrared region". The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm. The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm. The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm.

General identification tests (121 cm<sup>-1</sup> to 4000 cm<sup>-1</sup>) "identification tests". The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm. The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm. The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm.

Heavy metals (127 cm<sup>-1</sup> to 4000 cm<sup>-1</sup>) "Limit test for heavy metals". The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm. The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm. The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm.

Sulfated ash (128 cm<sup>-1</sup> to 4000 cm<sup>-1</sup>) "Sulfated ash". The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm. The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm. The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm.

Loss on drying (128 cm<sup>-1</sup> to 4000 cm<sup>-1</sup>) "Loss on drying". The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm. The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm. The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm.

pH Value (128 cm<sup>-1</sup> to 4000 cm<sup>-1</sup>) "pH Value". The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm. The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm. The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm.

Assay (128 cm<sup>-1</sup> to 4000 cm<sup>-1</sup>) "Assay". The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm. The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm. The infrared region is the region of the electromagnetic spectrum between 700 nm and 1 mm.

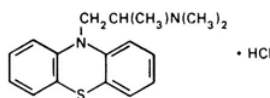
## PROMETHAZINI HYDROCHLORIDUM

Promethazine hydrochloride DZIRF6KDZNIJBCME qIPNj+INjbpqilj

C<sub>17</sub>H<sub>20</sub>N<sub>2</sub>S·HCl :Molecular formula

320.9 :Relative molecular mass

:Graphic formula







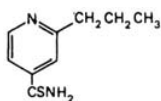


# Protionamide

$C_9H_{12}N_2S$  :Molecular formula

180.3 :Relative molecular mass

:Graphic formula



:Chemical name

2-Propylthioisonicotinamide; 2-propyl-4-pyridinecarbothioamide; CAS Reg. No. 14222-60-7.

:Description

:Solubility

.R

:Category

:Storage

## REQUIREMENTS

:General requirement

.C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>S

:Identity tests

.D<sub>5</sub> C<sub>5</sub> B

Spectrophotometry in

the infrared region

.RS

230

GDZtj òzù Ž lè 1 ĞpĀĀĴ ĞŌĠ Ë3 ĩ ĀtŌā JZŌĀ ŪĀŋZŋĀ 291 òzŪā ĄĀ3 ĞĒT3 ĞĒĒ ŪĀŋZŋĀ 350s ĀŋZŋĀ  
 .0.39 ĞāĀĒ āŌĒ

ġĀĒĒ ĞĒŌs ĞĀĀā ġĀNĵā ŌĤ Ūvs (ò/òzŋ 1) ĄĀŌŌŌŌŌĒ ĒĒ ħ Ōŋ Ōŋ 5 Ž ĥ 0.1 ħĀĒ :C  
 .ōāzĒ R ĩ ĀŌĀā

.°y141 ĞāĀĒ ŪĀTŌĒ ĞDZā :D

ŌĀĠĒĒ" ĵĀ3 ĶŌ 8zòzŋ zĒ Ātō ĥ 1 ŌĤĤĒĒ ŌĀĠĒĒ òzŪĒ KĒĤŌ :Heavy metals ĞŪŌŌā ĵĀĤā  
 ħŋ ZŋĒ ĦĀ Ū(127 ĞĤĀŌŌ Ū1 ĄŪŌā) 3 ōĀDZĀ ĄĒĒ "Limit test for heavy metals" ĞŪŌŌā ĵĀĤŌ BĄΣā  
 .ĥ/ĵĀĀŌŌŌ 20 āŌDZĀ Ē Ū(128 ĞĤĀŌŌ Ū1 ĄŪŌā) A ĞĀĀŪŌ ŌŌŌs ĞŪŌŌā ĵĀĤā

.ĥ/ŋŋ 1.0 ħŋ ĀŌŌ ĒĒ :Sulfated ash ĶĀŪĒā āĤĀā

5.0 ħŋ ĀŌŌ Ē Ū°y105 ġŌĀġ ĞDŌĒ ĶĀŌŌā ĵĀzā zŌŌg ZĄZ :Loss on drying ZĄDZŌĀ ĄŌĀā  
 .ĥ/ŋŋ

ŌĒz zŌŌg ĵĀ ŪĀĒ ŪŌŋ Ōŋ 20 8ĀĒĒ ŪR ŪzāĒ òzŪĒĒ ħŋ Ōŋ 20 Ž ĥ 2.0 āŌĒ :Acidity ĞŪzĒΣā  
 ĄŪŌĒ Ē ŪĀĤĒĒ TS òzŪĒŌŌŌā ġĀĒ ŌĀĤĒĒ Ūvs (ò/òzŋ 0.1) ŷĒĀŌŌā ĄĒŌŌŌŌā ĀĀĤŌ ŪŌŌŌā  
 .(BĀŌĀĒ) ĀĤĒ ħŋ ĞŪŌŌā ŪŌŌā zŪz òzŌĤŌ Ōŋ 0.2 ħŋ ĀŌŌ Āĵā

ĞŌĒĀā ĞŌŌŌā āĀĤĒĒ" ĵĀ3 ĶŌ 8zòzŋ zĒ Ātō ŌĀĠĒĒ ĒŌŌ :Related substances ĞĀĤā āĒzā  
 ĞŪŌĒ ġĀĤĒ R4 silica gel ĀŌŪĒĒ ĞŪĒ ŷĀĄĒĒ (84 ĞĤĀŌŌ Ū1 ĄŪŌā) "Thin-layer chromatography  
 ĞĤĀŌŌ zŪz ŌŌĀĒ ĒŌŌ .ŌĀĤŌ ŲŪŌ ŲŪŌŌ ŲŪŌŌ ħŋ Ąġā Jzġs ŪR ŷŌzŌŌŌŌā ħŋ ŷzDġ 9 ħŋ ĵĀŋs  
 ġĀĤ ħŋ ŋŋ 0.25 (B)s ĀŌ ŪŪĒ Ž ŌĀĠĒĒ ġĀĤ ħŋ ŋŋ 50 (A) Bz3 :R òzŪĒĒ Ž ĦŌŪĒ ħŋ ĀŌŌŌŌ 5  
 āĀĤĒĒ ŪŪŪ ŌĤĀĒ ōĒTā Ž ZDŌŌ ŌĀĒ ŪāĀĤĒĒ ġĀDzġ ħŋ ĞĤĀŌŌ tĀĒ ĄĒĒ .ĀŌ ŪŪĒ Ž ŌĀĠĒĒ  
 ŪĒĒĒĒĒ ĞŌŌā ŌĀŌŌĒ ŪA òzŪĒĒ ĄŪŌ ŌŌŌŌĒ ŌŌŌĒ ĞĀ JZŌĒ Ē .(ĀŋZŋĀ 254) ĞDZĒĀĀ āzĵ ĞĤĵā òzĒĒ  
 .B òzŪĒĒ ĄŪŌ ŌŌŌĒ ŪŌŌā ĞŌŌā ħŋ ġĀĤ ĀŌŌ

3ŋ ĀĀĤŌ ŪR1 ŪDzŪŌā ŌŪĒĒĒ ĒĒ ħŋ Ōŋ 30 Ž ŪŌŪŪŪĒ ĞŌzĀŋ Ūĥ 0.45 ĞāĀĒ āŌĒ :Assay ĞĒĀŌĒ  
 Non-aqueous ŪĀŪŪ ŪŌŌā Ž ġĀĤĒĒ" ĵĀ3 ĶŌ 8zòzŋ zĒ Ātō vs (ò/òzŋ 0.1) ŌŌŌŌŌĒ ĒĒ  
 18.03 ŪzĀŌ vs (ò/òzŋ 0.1) ŌŌŌŌŌĒ ĒĒ ħŋ Ōŋ 1 ŌŌ .(142 ĞĤĀŌŌ Ū1 ĄŪŌā) A ĞĀĀŪŌ Ūtitration  
 .C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>S ħŋ ŋŋ





00A00 3te Ž yózzsózz'000 g'00Yn 3t0s ūR yózzsózz'000 dñ 0ñ 100 dñ JĀ ōADZ yāĀĀQēĀ ĤāĪtā ōzŪ00  
 žĀks Ğ0ĀQĪtā yózzsózz'000 g'00Yn BĪ vs (ó/ózn 0.05) Ōłózz'00s0ĀETā Rē p dñ 0ñ 40 8ĀĪĪĀ .ĉĒĀp  
 Ōłózz'00s0ĀETā Rē p dñ ĞĒĀĪŕŪ 0ñ 40 dñ ōĀĀ ŌŪĀQĒĀs QŏĀQ ŌŌz 3te Ž yózzsózz'000 ōzŪ dzĀ0ĀĀ .ĒĀEDZ  
 ZŪĪĀ ŪŌñ 100 ĀZQĤē ĞĒtDzġ ĞŪDZġ Ž ĞĒĀtā ōāzŪjā 3t0 .yózzsózz'000 ōzŪ Ĥñ0 3ñ Ūvs (ó/ózn 0.05)  
 āĀŌĀ .vs (ó/ózn 0.05) Ōłózz'00s0ĀETā RētW ĪDzġ BŪ ZĀĒs ŪĞĒtDzΣā ĞŪDZΣā Ž dzĀ0Ā00 3ñ ŪŌŌĀ00 3te  
 ġKDzġ ŌāĀŌñ ĤĀĀŌĪ ĀQñZqĀp 311 ĞDZtā ōzŪē ĤtT3jā QĒġ Ž ōzŪ+ā āŌĒ dñ Īē 1 ĞpĀĀžē ĞŌĞŪ Ē3 Ī ĀtQ00  
 ġāĪñ Ž C<sub>11</sub>H<sub>14</sub>N<sub>2</sub>S,C<sub>23</sub>H<sub>16</sub>O<sub>6</sub> ĞĒtō ĀĒĒŌ .vs (ó/ózn 0.05) Ōłózz'00s0ĀETā Rē p BzQŌ Ĥ0Q00 ĀĒŌtā  
 .dñĀAŌ00s ĞŌĀĪtā Ī zĤuĀtā ŪRS ŌĒQpĀKĞ00 ġĀqzĞŪ ōzŪT 3ñ ĞpŌĀŌtĀ āĀQŏñĒā

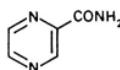
## PYRAZINAMIDUM

Pyrazinamide *pidzfidipif*

C<sub>5</sub>H<sub>5</sub>N<sub>3</sub>O :Molecular formula ĞĒĀĀzā Ğ8ĒŌ00

123.1 :Relative molecular mass ĞĒĒĀ00 ĞĒĀĀzā ĞŪQŌ00

:Graphic formula ĞĒpĀĒġtā Ğ8ĒŌ00



:Chemical name ĤāĒtĒŌ00 Īēfā

Pyrazinecarboxamide; CAS Reg. No. 98-96-4.

.ĞĤuāĀ00 ĈĒ3 ŪĤĀĀŌĪ RēĒĪ sŪ JzŪ00 RēĒĪ ŪBōzŪā āzĤuĒñ :Description Zŏzŏ00

.TS (ó/ħ750~) ōzŪĪĪĪ Ğ JĀsŌ00 ĞĒĤŪ ŪR yózzsózz'000s ōĀtā Ž JĀsŌ00 ŌĒŪē :Solubility ĞĒpĀsŌ00

.ŌĒ00 āĀĪñ ōāśā :Category ĞĀĀ00

.ĒĀEDZ ĞŌŷñ ĞĀśġ Ž ĀĒñĀĀāĀKĞ00 ŚĀ3 JŪ Āēz :Storage dĀĀĀQ00

### REQUIREMENTS *Kchifskdzif*

%101.0 d3 ĀĀĀ fś %98.5 d3 ŌŌĀ f Āñ zŪ3 ĀĒñĀĀāĀKĞ00 BzQŪ :General requirement yĀĤĀ00 ĀēŪŪŪtā

.ĞĀĀŌ0 ġāĪtā Jās BŪ t zDZĀ00 ĞēzĒT ŪC<sub>5</sub>H<sub>5</sub>N<sub>3</sub>O dñ

## Identity tests

.D5 C 5 B 350-230 nm Spectrophotometry in the infrared region

350-230 nm Spectrophotometry in the infrared region

350-230 nm Spectrophotometry in the infrared region

350-230 nm Spectrophotometry in the infrared region

191-188 °C Melting range

Heavy metals Limit test for heavy metals

Water Determination of water by the Karl Fisher Method

pH Value Ammonia









307













$\bar{A}z$  .C  $\dot{o}z\dot{y}+\bar{a}$   $\dot{s}\dot{u}$  B  $\dot{o}z\dot{y}+\bar{a}$   $\dot{A}T\dot{E}V_3$   $\dot{O}\dot{O}H\dot{Q}\dot{E}\dot{A}$   $\dot{U}\dot{\theta}\dot{Q}\dot{a}$   $\dot{G}\dot{H}\dot{O}\dot{G}\dot{a}$   $\dot{d}\dot{n}$   $\dot{g}\dot{A}\dot{I}$   $\dot{A}\dot{z}\dot{O}\dot{u}$   $\dot{U}\dot{G}\dot{E}\dot{E}\dot{a}\dot{A}\dot{a}$   $\dot{G}\dot{H}\dot{O}\dot{G}\dot{a}$   $\dot{O}\dot{A}\dot{z}\dot{Q}\dot{E}\dot{A}$   $\dot{U}\dot{A}$   $\dot{o}z\dot{y}+\bar{a}$   $\dot{A}T\dot{E}V_3$   
 $\dot{U}\dot{U}\dot{U}$   $\dot{A}T\dot{s}\dot{u}$   $\dot{a}\dot{a}\dot{u}$   $\dot{r}\dot{u}$   $\dot{M}\dot{e}\dot{s}\dot{A}\dot{O}\dot{n}$   $\dot{o}\dot{A}\dot{Q}\dot{n}\dot{r}\dot{a}$   $\dot{J}\dot{z}\dot{O}\dot{A}$   $\dot{r}$  . $\dot{g}\dot{A}\dot{I}\dot{A}\dot{n}$   $\dot{G}\dot{E}\dot{E}\dot{a}\dot{A}\dot{a}$   $\dot{G}\dot{H}\dot{O}\dot{G}\dot{a}$   $\dot{K}\dot{O}$  A  $\dot{o}z\dot{y}+\bar{a}$   $\dot{d}_3$   $\dot{J}\dot{Q}\dot{A}\dot{k}$   $\dot{G}\dot{H}\dot{O}\dot{a}$   $\dot{G}\dot{A}\dot{U}$   $\dot{O}\dot{t}\dot{o}$   $\dot{J}\dot{u}$   
 $\dot{d}\dot{z}\dot{z}\dot{r}\dot{z}\dot{a}$   $\dot{k}\dot{Q}\dot{z}\dot{O}\dot{A}\dot{n}$   $\dot{k}\dot{Q}\dot{H}\dot{O}\dot{a}$  D  $\dot{o}z\dot{y}+\bar{a}$   $\dot{d}_3$   $\dot{J}\dot{k}\dot{A}\dot{a}\dot{a}$   $\bar{a}\dot{A}\dot{I}\dot{Q}\dot{E}\dot{r}\dot{a}$

$\dot{8}\dot{A}\dot{R}\dot{A}$  . $\dot{o}\dot{A}\dot{n}$  20  $\dot{Z}$   $\dot{U}\dot{G}\dot{E}\dot{U}\dot{z}\dot{G}\dot{R}\dot{n}$   $\dot{G}\dot{p}\dot{s}\dot{a}\dot{z}\dot{n}$   $\dot{U}\dot{h}$  0.2  $\dot{G}\dot{a}\dot{A}\dot{e}$   $\bar{a}\dot{a}\dot{O}\dot{A}$  :Limit of dihydroquinine  $\dot{k}\dot{A}\dot{E}\dot{O}\dot{s}\dot{o}\dot{A}\dot{E}\dot{T}\dot{a}$   $\dot{U}\dot{a}\dot{A}\dot{Q}$   $\dot{A}\dot{g}$   
 $\dot{g}\dot{A}\dot{P}$   $\dot{o}z\dot{y}\dot{T}$   $\dot{d}\dot{n}$   $\dot{O}\dot{n}$  0.1 $\dot{s}$   $\dot{U}\dot{T}\dot{S}$  ( $\dot{o}/\dot{h}70\sim$ )  $\dot{O}\dot{l}\dot{o}\dot{z}\dot{y}\dot{O}\dot{s}\dot{o}\dot{A}\dot{E}\dot{T}\dot{a}$   $\dot{R}\dot{e}\dot{p}$   $\dot{o}z\dot{y}\dot{T}$   $\dot{d}\dot{n}$   $\dot{O}\dot{n}$  15  $\dot{U}\dot{R}$   $\dot{y}\dot{z}\dot{E}\dot{e}\dot{A}\dot{k}\dot{z}\dot{G}\dot{a}$   $\dot{A}\dot{E}\dot{n}\dot{s}\dot{A}\dot{a}$   $\dot{d}\dot{n}$   $\dot{h}$  0.5  
 $\dot{A}\dot{A}\dot{O}\dot{u}$   $\dot{J}\dot{z}\dot{o}$   $\dot{J}\dot{Q}\dot{A}\dot{A}$   $\dot{z}\dot{\theta}\dot{Q}\dot{g}$  vs ( $\dot{o}/\dot{o}\dot{z}\dot{n}$  0.0167)  $\dot{y}\dot{z}\dot{E}\dot{e}\dot{A}\dot{k}\dot{z}\dot{G}\dot{a}$   $\dot{g}\dot{A}\dot{n}\dot{s}\dot{A}\dot{a}$   $\dot{o}z\dot{y}\dot{T}$   $\dot{y}\dot{a}\dot{A}\dot{A}\dot{Q}\dot{E}\dot{A}$   $\dot{A}\dot{A}\dot{H}\dot{A}$  . $\dot{T}\dot{S}$   $\dot{o}z\dot{y}\dot{A}\dot{z}\dot{Q}\dot{A}\dot{Q}\dot{A}/\dot{O}\dot{E}\dot{y}\dot{E}\dot{a}$   
 $\dot{a}\dot{z}\dot{E}\dot{a}$   $\dot{A}\dot{A}\dot{H}\dot{A}$  . $\dot{E}\dot{a}\dot{A}\dot{e}\dot{a}$  5  $\dot{g}\dot{A}\dot{n}$   $\dot{y}\dot{Y}\dot{T}\dot{a}$   $\dot{Z}$   $\dot{o}\dot{A}\dot{A}\dot{O}\dot{Q}\dot{E}\dot{Y}\dot{o}$   $\dot{O}\dot{A}\dot{Q}\dot{k}\dot{s}$   $\dot{U}\dot{G}\dot{Y}\dot{D}\dot{z}\dot{Z}\dot{S}\dot{a}$   $\dot{E}\dot{y}\dot{8}\dot{k}$   $\dot{U}\dot{o}\dot{A}\dot{n}$   $\dot{O}\dot{n}$  200  $\dot{Z}$   $\dot{y}\dot{z}\dot{E}\dot{e}\dot{A}\dot{k}\dot{z}\dot{G}\dot{a}$   $\dot{A}\dot{e}\dot{A}\dot{z}\dot{A}$   $\dot{h}$  0.5  $\dot{8}\dot{A}\dot{R}\dot{A}$   
 $\dot{o}z\dot{y}\dot{T}$   $\dot{d}\dot{n}$   $\dot{O}\dot{n}$  2  $\dot{8}\dot{A}\dot{R}\dot{A}$   $\dot{U}\dot{v}\dot{s}$  ( $\dot{o}/\dot{o}\dot{z}\dot{n}$  0.1)  $\dot{y}\dot{z}\dot{A}\dot{z}\dot{O}\dot{a}$   $\dot{g}\dot{A}\dot{A}\dot{y}\dot{e}\dot{z}\dot{E}\dot{a}$   $\dot{3}\dot{n}$   $\dot{o}z\dot{y}+\bar{a}$   $\dot{Z}$   $\dot{y}\dot{z}\dot{E}\dot{e}\dot{A}\dot{k}\dot{z}\dot{G}\dot{a}$   $\dot{g}\dot{A}\dot{n}\dot{s}\dot{A}\dot{a}$   $\dot{A}\dot{E}\dot{A}\dot{A}$   $\dot{o}\dot{A}\dot{H}\dot{u}\dot{Q}\dot{E}\dot{a}$   
vs ( $\dot{o}/\dot{o}\dot{z}\dot{n}$  0.0167~)  $\dot{y}\dot{z}\dot{E}\dot{e}\dot{A}\dot{k}\dot{z}\dot{G}\dot{a}$   $\dot{g}\dot{A}\dot{n}\dot{s}\dot{A}\dot{a}$   $\dot{o}z\dot{y}\dot{T}$   $\dot{d}\dot{n}$   $\dot{O}\dot{n}$  1  $\dot{O}\dot{d}$   $\dot{u}\dot{z}\dot{A}\dot{O}\dot{A}$  . $\dot{M}\dot{Q}\dot{E}\dot{A}\dot{a}$   $\dot{A}\dot{A}\dot{O}\dot{u}$   $\dot{o}z\dot{y}+\bar{a}$   $\dot{J}\dot{z}\dot{o}$   $\dot{G}\dot{G}\dot{O}\dot{A}$   $\dot{A}\dot{n}\dot{A}\dot{E}\dot{A}\dot{z}$   $\dot{T}\dot{S}$   $\dot{A}\dot{I}\dot{A}\dot{a}$   
 $\dot{G}\dot{E}\dot{A}\dot{O}\dot{E}\dot{a}$   $\dot{M}\dot{A}\dot{Q}\dot{u}$   $\dot{o}\dot{z}\dot{O}\dot{O}\dot{E}\dot{a}$   $\dot{k}\dot{E}\dot{H}\dot{Q}\dot{a}$   $\dot{J}\dot{a}\dot{A}\dot{Q}\dot{p}$   $\dot{d}_3$   $\dot{A}\dot{Q}\dot{H}\dot{A}$  . $\dot{G}\dot{A}\dot{A}\dot{O}\dot{a}$   $\dot{g}\dot{A}\dot{A}\dot{E}\dot{a}$   $\dot{B}\dot{u}$   $\dot{t}\dot{z}\dot{D}\dot{z}\dot{A}\dot{O}\dot{A}\dot{a}$   $\dot{G}\dot{a}\dot{z}\dot{E}\dot{T}$   $\dot{U}\dot{C}_{20}\dot{H}_{24}\dot{N}_2\dot{O}_2,2\dot{H}\dot{C}\dot{l}$   $\dot{d}\dot{n}$   $\dot{\eta}\dot{V}\dot{n}$  19.87  
 $\%10$   $\dot{d}\dot{n}$   $\dot{A}\dot{z}\dot{O}\dot{u}$   $\dot{A}\dot{t}\dot{T}\dot{A}\dot{E}\dot{a}$   $\dot{a}\dot{A}\dot{A}\dot{a}$   $\dot{J}\dot{z}\dot{O}\dot{A}$   $\dot{r}$  . $\dot{G}\dot{A}\dot{z}\dot{A}\dot{E}\dot{a}$   $\dot{G}\dot{E}\dot{A}\dot{O}\dot{A}\dot{a}$

20  $\dot{8}\dot{A}\dot{R}\dot{A}$   $\dot{U}\dot{R}1$   $\dot{U}\dot{D}\dot{z}\dot{y}\dot{z}\dot{a}$   $\dot{O}\dot{E}\dot{Q}\dot{E}\dot{e}\dot{j}\dot{a}$   $\dot{R}\dot{e}\dot{p}$   $\dot{d}\dot{n}$   $\dot{O}\dot{n}$  50  $\dot{Z}$   $\dot{U}\dot{G}\dot{E}\dot{U}\dot{z}\dot{G}\dot{R}\dot{n}$   $\dot{G}\dot{p}\dot{s}\dot{a}\dot{z}\dot{n}$   $\dot{U}\dot{h}$  0.3  $\dot{G}\dot{a}\dot{A}\dot{e}$   $\bar{a}\dot{a}\dot{O}\dot{A}$  :Assay  $\dot{G}\dot{E}\dot{A}\dot{O}\dot{E}\dot{a}$   
 $\dot{y}\dot{a}\dot{A}\dot{A}\dot{Q}\dot{E}\dot{A}$   $\dot{A}\dot{A}\dot{H}\dot{A}$   $\dot{U}\dot{T}\dot{S}$   $\dot{O}\dot{E}\dot{Q}\dot{E}\dot{e}\dot{j}\dot{a}$   $\dot{R}\dot{e}\dot{p}/\dot{O}\dot{E}\dot{O}\dot{G}\dot{a}\dot{A}\dot{a}$   $\dot{g}\dot{A}\dot{Q}\dot{E}\dot{e}\dot{u}$   $\dot{o}z\dot{y}\dot{T}$   $\dot{d}\dot{n}$   $\dot{O}\dot{n}$  10 $\dot{s}$  R  $\dot{O}\dot{E}\dot{Q}\dot{E}\dot{e}\dot{j}\dot{a}$   $\dot{A}\dot{e}\dot{A}\dot{o}\dot{A}\dot{E}\dot{E}\dot{U}$   $\dot{o}z\dot{y}\dot{T}$   $\dot{d}\dot{n}$   $\dot{O}\dot{n}$   
Non-aqueous  $\dot{U}\dot{a}\dot{A}\dot{n}$   $\dot{Y}\dot{a}$   $\dot{U}\dot{e}\dot{z}\dot{a}$   $\dot{Z}$   $\dot{g}\dot{A}\dot{A}\dot{H}\dot{E}\dot{a}$  "  $\dot{J}\dot{a}\dot{z}\dot{A}\dot{z}$   $\dot{K}\dot{O}$   $\dot{8}\dot{z}\dot{O}\dot{z}\dot{n}$   $\dot{z}\dot{E}$   $\dot{A}\dot{t}\dot{o}$  vs ( $\dot{o}/\dot{o}\dot{z}\dot{n}$  0.1)  $\dot{O}\dot{l}\dot{o}\dot{z}\dot{y}\dot{O}\dot{s}\dot{K}\dot{G}\dot{a}$   $\dot{R}\dot{e}\dot{p}$   
 $\dot{u}\dot{z}\dot{A}\dot{O}\dot{A}$  vs ( $\dot{o}/\dot{o}\dot{z}\dot{n}$  0.1)  $\dot{O}\dot{l}\dot{o}\dot{z}\dot{y}\dot{O}\dot{s}\dot{K}\dot{G}\dot{a}$   $\dot{R}\dot{e}\dot{p}$   $\dot{d}\dot{n}$   $\dot{O}\dot{n}$  1  $\dot{O}\dot{d}$  .(142  $\dot{G}\dot{H}\dot{A}\dot{O}\dot{a}$   $\dot{U}1$   $\dot{A}\dot{E}\dot{y}\dot{O}\dot{a}$ ) A  $\dot{G}\dot{O}\dot{A}\dot{U}\dot{a}$   $\dot{U}$ "titration  
 $\dot{C}_{20}\dot{H}_{24}\dot{N}_2\dot{O}_2,2\dot{H}\dot{C}\dot{l}$   $\dot{d}\dot{n}$   $\dot{\eta}\dot{V}\dot{n}$  19.87

$\dot{f}\dot{u}\dot{s}\dot{\theta}$   $\dot{u}\dot{f}\dot{D}\dot{z}\dot{y}\dot{f}\dot{z}$   $\dot{U}\dot{e}$   $\dot{u}\dot{W}\dot{U}$   $\dot{D}\dot{z}\dot{u}\dot{u}\dot{I}\dot{I}\dot{E}$   $\dot{q}\dot{I}\dot{P}\dot{N}\dot{J}+\dot{I}\dot{N}\dot{J}\dot{p}\dot{q}\dot{I}\dot{J}$   $\dot{I}\dot{\theta}\dot{F}\dot{u}\dot{K}\dot{I}$   $\dot{h}\dot{u}\dot{z}\dot{F}\dot{T}\dot{a}$   $\dot{I}\dot{F}\dot{G}+\dot{U}\dot{H}\dot{D}\dot{z}$

# Additional Requirements for Quinine dihydrochloride for parenteral use

.(56  $\dot{G}\dot{H}\dot{A}\dot{O}\dot{a}$   $\dot{U}4$   $\dot{A}\dot{E}\dot{y}\dot{O}\dot{a}$ ) "Parenteral preparations  $\dot{G}\dot{E}\dot{A}\dot{O}\dot{S}\dot{a}$   $\dot{g}\dot{A}\dot{A}\dot{R}\dot{H}\dot{u}\dot{Q}\dot{E}\dot{a}$ "  $\dot{g}\dot{A}\dot{s}\dot{A}\dot{z}\dot{j}$   $\dot{A}\dot{E}\dot{D}\dot{z}\dot{Q}\dot{E}\dot{A}$

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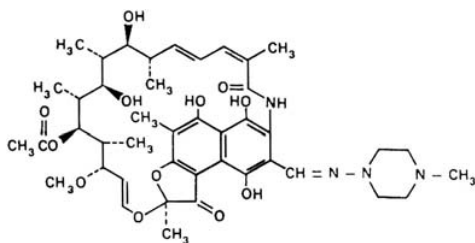
## RIFAMPICINUM

Rifampicin  $\dot{D}\dot{z}\dot{z}$   $\dot{e}\dot{I}\dot{G}\dot{b}\dot{z}\dot{f}\dot{z}\dot{I}\dot{p}$

$\dot{C}_{43}\dot{H}_{58}\dot{N}_4\dot{O}_{12}$  :Molecular formula  $\dot{G}\dot{E}\dot{A}\dot{A}\dot{z}\dot{a}$   $\dot{G}\dot{8}\dot{E}\dot{O}\dot{a}$

823.0 :Relative molecular mass  $\dot{G}\dot{E}\dot{G}\dot{E}\dot{A}\dot{a}$   $\dot{G}\dot{E}\dot{A}\dot{A}\dot{z}\dot{a}$   $\dot{G}\dot{y}\dot{Q}\dot{O}\dot{a}$

:Graphic formula  $\dot{G}\dot{E}\dot{Q}\dot{A}\dot{E}\dot{G}\dot{a}$   $\dot{G}\dot{8}\dot{E}\dot{O}\dot{a}$



**Chemical name**  $\text{H}_3\text{C}-\text{N}(\text{CH}_2)_4-\text{N}(\text{CH}_3)-\text{CH}=\text{N}-$

(2*S*,12*Z*,14*E*,16*S*,17*S*,18*R*,19*R*,20*R*,21*S*,22*S*,23*S*,24*E*)-  
5,6,9,17,19,21-Hexahydroxy-23-methoxy-2,4,12,16,18,20,22-heptamethyl-8-[*N*-(4-methyl-1-piperazinyl)formimidoyl]-2,7-(epoxypentadeca[1,11,13]-trienimino)naphtho[2,1-*b*]-furan-1,11-(2*H*)-dione, 21-acetate; 3-[[[(4-methyl-1-piperazinyl)imino]methyl]rifamycin; CAS Reg. No. 13292-46-1.

**Rifampin**  $\text{K}_{\text{H}}\text{A}\text{A}\text{O}$  : **Other name**  $\text{A}\text{N}\text{U}$   $\text{L}\text{E}\text{A}$

$\text{S}\text{U}$   $\text{G}\text{H}\text{A}\text{A}\text{O}\text{A}$   $\text{C}\text{A}\text{Z}$   $\text{U}\text{H}\text{O}\text{A}\text{G}\text{O}\text{A}$   $\text{B}\text{U}$   $\text{A}\text{O}\text{A}$   $\text{A}\text{P}\text{U}$   $\text{B}\text{U}$  brick red  $\text{B}\text{A}\text{D}\text{Z}\text{U}$   $\text{A}\text{P}\text{U}$   $\text{U}\text{B}\text{O}\text{Z}\text{V}\text{A}$   $\text{A}\text{Z}\text{H}\text{U}\text{E}\text{N}$  : **Description**  $\text{Z}\text{O}\text{Z}\text{O}\text{A}$   
 $\text{M}\text{G}\text{A}\text{O}\text{K}$   $\text{G}\text{H}\text{A}\text{A}\text{O}\text{A}$   $\text{C}\text{A}\text{Z}$

$\text{U}\text{R}$   $\text{O}\text{Z}\text{H}\text{U}\text{E}\text{N}$   $\text{Z}$   $\text{A}\text{A}\text{S}\text{A}$   $\text{U}\text{R}$   $\text{Y}\text{O}\text{Z}\text{Z}\text{S}\text{O}\text{Z}\text{V}\text{O}\text{A}$   $\text{Z}$   $\text{J}\text{A}\text{S}\text{O}\text{O}\text{A}$   $\text{A}\text{G}$   $\text{U}\text{O}\text{A}\text{U}$   $\text{Z}$   $\text{M}\text{A}\text{D}\text{Z}$   $\text{J}\text{A}\text{S}\text{O}\text{O}\text{A}$   $\text{G}\text{H}\text{U}\text{I}$  : **Solubility**  $\text{G}\text{H}\text{A}\text{A}\text{O}\text{A}$   
 $\text{R}$   $\text{K}\text{J}\text{A}\text{S}$   $\text{U}\text{TS}$  ( $\text{O}/\text{H}750\sim$ )  $\text{O}\text{Z}\text{H}\text{U}\text{E}\text{N}$   $\text{J}\text{Z}\text{O}\text{E}\text{J}\text{A}$   $\text{Z}$   $\text{J}\text{A}\text{S}\text{O}\text{O}\text{A}$   $\text{G}\text{H}\text{U}\text{I}$   
 $\text{O}\text{E}\text{O}\text{A}$   $\text{A}\text{A}\text{R}\text{N}$   $\text{O}\text{A}\text{S}\text{A}$   $\text{U}\text{Y}\text{A}\text{O}\text{Z}\text{A}$   $\text{A}\text{A}\text{R}\text{N}$   $\text{O}\text{A}\text{S}\text{A}$  : **Category**  $\text{G}\text{A}\text{A}\text{O}\text{A}$

$\text{G}\text{D}\text{Z}\text{O}\text{A}\text{A}$   $\text{J}\text{A}\text{Z}\text{S}$   $\text{O}\text{Z}\text{R}\text{O}\text{A}$   $\text{D}\text{N}$   $\text{Z}\text{A}\text{Z}$   $\text{J}\text{U}\text{S}$   $\text{U}\text{Y}\text{A}\text{O}\text{G}\text{U}\text{A}$   $\text{G}\text{O}\text{Y}\text{O}\text{N}$   $\text{G}\text{A}\text{S}\text{A}\text{G}$   $\text{Z}$   $\text{K}\text{E}\text{G}\text{N}\text{A}\text{A}\text{A}\text{O}\text{A}$   $\text{S}\text{A}\text{Z}$   $\text{J}\text{U}$   $\text{A}\text{Z}$  : **Storage**  $\text{D}\text{A}\text{A}\text{O}\text{O}\text{A}$   
 $\text{O}\text{Y}$  30  $\text{D}\text{Z}$   $\text{A}\text{A}\text{A}\text{K}$   $\text{F}$   $\text{G}\text{O}\text{A}\text{A}\text{G}$   $\text{G}\text{D}\text{Z}\text{O}\text{A}\text{A}$   $\text{K}\text{D}\text{Z}\text{S}\text{A}\text{Q}\text{O}\text{A}$   $\text{D}\text{N}$   $\text{Z}\text{D}\text{Z}$   $\text{Z}$   $\text{S}\text{U}$   $\text{U}\text{O}\text{Y}$  15  $\text{D}\text{Z}$   $\text{A}\text{A}\text{A}\text{K}$   $\text{F}$   $\text{G}\text{O}\text{A}\text{A}\text{G}$

#### REQUIREMENTS $\text{K}\text{C}\text{H}\text{O}\text{I}\text{S}\text{K}\text{O}\text{Z}\text{I}\text{f}$

%102.0  $\text{D}\text{Z}$   $\text{A}\text{A}\text{A}$   $\text{F}\text{S}$  %97.0  $\text{D}\text{Z}$   $\text{O}\text{O}\text{A}$   $\text{F}$   $\text{A}\text{N}$   $\text{Z}\text{I}\text{Z}$   $\text{K}\text{E}\text{G}\text{N}\text{A}\text{A}\text{A}\text{O}\text{A}$   $\text{B}\text{Z}\text{O}\text{Z}$  : **General requirement**  $\text{Y}\text{A}\text{H}\text{O}\text{A}$   $\text{A}\text{E}\text{Y}\text{U}\text{O}\text{U}\text{A}$   
 $\text{G}\text{A}\text{A}\text{O}\text{A}$   $\text{G}\text{A}\text{A}\text{U}$   $\text{B}\text{U}$   $\text{Z}\text{Z}\text{D}\text{Z}\text{A}\text{O}\text{A}\text{A}$   $\text{G}\text{A}\text{Z}\text{E}\text{U}$   $\text{U}\text{C}_{43}\text{H}_{58}\text{N}_4\text{O}_{12}$   $\text{D}\text{N}$

#### Identity tests $\text{H}\text{U}\text{N}\text{J}\text{N}\text{U}\text{E}$ $\text{I}$ $\text{E}\text{P}\text{F}\text{G}\text{H}\text{Q}\text{E}$

Spectrophotometry in  $\text{O}\text{A}\text{A}\text{A}\text{A}\text{A}$   $\text{K}\text{O}$   $\text{G}\text{O}\text{U}\text{A}\text{A}$   $\text{Z}$   $\text{H}\text{A}\text{Z}\text{R}\text{O}\text{A}$   $\text{Z}\text{E}\text{U}\text{O}\text{A}$   $\text{A}\text{A}\text{E}\text{E}$  "  $\text{J}\text{A}\text{Z}\text{A}\text{Z}$   $\text{K}\text{O}$   $\text{O}\text{Z}\text{O}\text{Z}\text{U}\text{A}$   $\text{O}\text{A}\text{Q}\text{O}\text{H}\text{F}\text{A}$   $\text{E}\text{G}\text{O}\text{U}$  : **A**  
 $\text{D}\text{Z}$   $\text{J}\text{K}\text{A}\text{O}\text{A}$   $\text{Z}\text{E}\text{U}\text{O}\text{A}$   $\text{Z}\text{N}$   $\text{O}\text{A}\text{A}\text{A}\text{A}$   $\text{K}\text{O}$   $\text{G}\text{H}\text{I}\text{J}\text{A}$   $\text{I}$   $\text{A}\text{O}\text{Q}\text{N}\text{A}$   $\text{Z}\text{E}\text{U}$   $\text{E}\text{A}\text{A}\text{U}\text{O}\text{A}$  .(43  $\text{G}\text{H}\text{A}\text{O}\text{O}\text{A}$   $\text{U}\text{I}$   $\text{A}\text{E}\text{Y}\text{O}\text{A}$ ) "the infrared region  
 $\text{K}\text{E}\text{G}\text{N}\text{A}\text{A}\text{A}\text{O}\text{A}$   $\text{U}\text{H}\text{D}\text{Z}\text{A}\text{A}$   $\text{Z}\text{E}\text{U}\text{O}\text{A}$   $\text{Z}\text{N}$   $\text{S}\text{U}$   $\text{R}\text{S}$   $\text{K}\text{E}\text{G}\text{N}\text{A}\text{A}\text{A}\text{O}\text{A}$   
 $\text{G}\text{A}\text{E}$   $\text{U}\text{G}\text{A}\text{A}\text{E}\text{Z}$   $\text{G}\text{A}\text{O}\text{A}\text{A}\text{A}$   $\text{O}\text{N}$  50  $\text{B}\text{U}$   $\text{O}\text{Z}\text{Y}\text{A}$   $\text{A}\text{O}\text{E}$   $\text{D}\text{N}$   $\text{O}\text{N}$  1  $\text{Z}\text{A}\text{Z}\text{S}$   $\text{R}$   $\text{O}\text{Z}\text{H}\text{U}\text{E}\text{N}$   $\text{O}\text{Z}\text{Y}\text{U}$   $\text{D}\text{N}$   $\text{O}\text{N}$  50  $\text{Z}$   $\text{H}\text{U}\text{E}$  50  $\text{A}\text{A}\text{O}\text{A}$  : **B**

4 Սննդամթերքի 500g-ում 220 կա ճարձակ նյութի պարունակությունը 1 միլիգրամից մինչև 7.4 միլիգրամից է: Սննդամթերքի 475g-ում 334g-ում 254g-ում 237 ճարձակ նյութի պարունակությունը 1 միլիգրամից մինչև 1.75 միլիգրամից է:

Ցածկահանման և ճարձակ նյութի քանակության որոշումը 25 և 25 օրվա ընթացքում: Ցածկահանման և ճարձակ նյութի քանակության որոշումը 25 և 25 օրվա ընթացքում:

Ցածկահանման և ճարձակ նյութի քանակության որոշումը 4 և 3 շաբաթվա ընթացքում: Ցածկահանման և ճարձակ նյութի քանակության որոշումը 4 և 3 շաբաթվա ընթացքում:

Ցածկահանման և ճարձակ նյութի քանակության որոշումը 1.0 և 1.0 շաբաթվա ընթացքում: Ցածկահանման և ճարձակ նյութի քանակության որոշումը 1.0 և 1.0 շաբաթվա ընթացքում:

Ցածկահանման և ճարձակ նյութի քանակության որոշումը 0.6 և 0.6 շաբաթվա ընթացքում: Ցածկահանման և ճարձակ նյութի քանակության որոշումը 0.6 և 0.6 շաբաթվա ընթացքում:

օշր չ ԵթաձԻղըբա ՍՍԱյա ՕԽԱԼՏ օշրՏա Չ ՉԶզօ օԱօՔ ՍաձԻղըբա ցԱԶց Եղ ԳԽԵԱՕօա ԷԱԾԳ ԵԽա .Աօ  
 ՕՕԽՈԵԱ ԵԾՈօա ԳԽՕՕա Եղ ցԵԻ ԱՅՏՍ ՍՇԵԵԵԵԱՕա ԳԽՕՕա օԱՅՈԵԱ ՍԱ օշրԷա ԷԽԵՅ ՕՕԽՈԵԱ ԳԽՕա ԳԱ յՀՕՔ Բ .օԱԽԱՕա  
 ՕՎՔ Եղ ցԵԻ ԱՅՏՍ Ա օշրԷա ԷԽԵՅ ՕՕԽՈԵԱ ԳԱՆՍ ԳԽՕա ԳԱ յՀՕՔ Բ ՍՕԵա շԻՅ ցՏԻՅ .ԸՏ Բ օշրԷա ԷԽԵՅ  
 .Ը օշրԷա ԷԽԵՅ ՕՕԽՈԵԱ ԵԾՈօա

2 ՉԱՇ .Օղ 100 յՈԱԵՐ Բ օշրԱՅԵԵա Եղ ԳԵՀՕ ԳԵԽՕ Չ ՍՇԵՆԶԵԼղ ԳՔՏաղղ ՍԽ 0.10 ԳաԱԵ աձՕԼ :Assay ԳԵԱՕՕա  
 ՇԵճ Չ Լը 1 ԳՈԱՅա յԽԱՕա օշրԷա 1 ԱՂ աՕՕԼ .ՏՏ Ս7.4 օԼԵա Ս ԳԱԵԱՕա ԳՅՅԵա Օղ 100 ԵՍ օշրԷա աՕԼ Եղ Օղ  
 Եղ ՔՀՈԷա ԵԵՅ .ՏՏ Ս7.4 օԼԵա ՍԵԼԱԻՕ ԳԱԵԱՕա ԳՅՅա յաԵԱՂԵա ՍՄԼԱՕՔ Աղղղղղ 475 ԳԶՀԵա օշրԷա ԵԷԻՅԵա  
 .(  $A_{1\text{cm}}^{1\%} = 187$ ) 18.7 ԳԵՐԱղ ԳԵԵ յաԵԱՂԵա ՍC<sub>43</sub>H<sub>58</sub>N<sub>4</sub>O<sub>12</sub>

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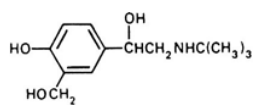
# SALBUTAMOLUM

Salbutamol üNİDİFİNİĞİF 2116

C<sub>13</sub>H<sub>21</sub>NO<sub>3</sub> :Molecular formula ԳԵԱԱԶա ԳԵՕՕա

239.3 :Relative molecular mass ԳԵԵԱՕա ԳԵԱԱԶա ԳՅՈՕա

:Graphic formula ԳԵՈԱԵԵա ԳԵՕՕա



:Chemical name ՍաԵԷԵՕա Լըբա

α'-[(*tert*-Butylamino)methyl]-4-hydroxy-*m*-xylene-α,α'-diol;  
 α'-[[[(1,1-dimethylethyl)amino]methyl]-4-hydroxy-1,3-benzenedimethanol; CAS  
 Reg. No. 18559-94-9.

ԳԽԵԱՕա ԸԵՅ ՍՄԼԱՕՔ ԵԼա յՅ ԵՀՅՅ ԵԼա ՍԵՅԵա աղԽԵղ :Description Չօշօա

Չ յԵՏՕա ԳԽՍ ՍՏ (օ/Խ750~) օշրԱՅԵԵա Չ աԵա ՍՕԵա Եղ ՄՕԱԶ 70 Չ աԵա :Solubility ԳԵԱԵՏՕա  
 .Բ ԶղԵա

.չաՅՅ աՐղ օձա :Category ԳԱՕա

.օշրԵա Եղ շԻՅ յԵ ՍԵԵԶ ԳՅՅղ ԳԵՅճ Չ օշրԱղԵա ՏԱՅ յՅ ԵԶ :Storage ԵԱԵՕա

REQUIREMENTS ԶԽՈՏԿԶԻԲ



3η Ἀλλήλ R1 ὙDzYōā Ὠqēējā ῚῚ Ὶ Ὶ Ὠ 30 Ὶ ὨῚῚῚῚ ῚῚῚ Ὠ 0.4 ῚῚῚ Ὶ ῚῚ :Assay ῚῚῚῚῚ  
Non-aqueous ῚῚῚῚῚ ὨῚῚῚ Ὶ ῚῚῚῚῚ" ῚῚῚῚ ῚῚ ῚῚῚῚ ῚῚ ῚῚ vs (ῚῚῚῚ 0.1) ὨῚῚῚῚῚ ῚῚῚ  
23.93 ῚῚῚῚ vs (ῚῚῚῚ 0.1) ὨῚῚῚῚῚῚ ῚῚ Ὶ Ὶ Ὠ 1 ὨῚ .(142 ῚῚῚῚ Ὠ 1 ῚῚῚ) A ῚῚῚῚῚ ὨῚῚῚῚ  
.C<sub>13</sub>H<sub>21</sub>NO<sub>3</sub> Ὶ ῚῚ

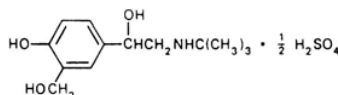
## SALBUTAMOLI SULFAS

Salbutamol sulfate ῚῚῚῚῚῚῚῚῚ ῚῚῚῚ

(C<sub>13</sub>H<sub>21</sub>NO<sub>3</sub>)<sub>2</sub>, H<sub>2</sub>SO<sub>4</sub> :Molecular formula ῚῚῚῚῚ ῚῚῚῚῚ

288.4 :Relative molecular mass ῚῚῚῚῚ ῚῚῚῚῚ ῚῚῚῚῚ

:Graphic formula ῚῚῚῚῚῚ ῚῚῚῚῚ



:Chemical name ῚῚῚῚῚῚ ῚῚῚῚ

$\alpha$ '-[*tert*-Butylamino)methyl]-4-hydroxy-*m*-xylene- $\alpha,\alpha'$ -diol  
sulfate (2:1) (salt);  $\alpha$ '-[[(1,1-dimethylethyl)amino]methyl]-4-hydroxy-1,3-  
benzenedimethanol sulfate (2:1) (salt); CAS Reg. No. 51022-70-9.

.ῚῚῚῚῚ ῚῚῚ ὨῚῚῚῚ ῚῚῚ ῚῚ ῚῚῚ ῚῚῚ ῚῚῚῚ :Description ῚῚῚῚ  
R ῚῚῚῚῚῚῚῚῚ (ῚῚῚῚ) ῚῚῚῚῚῚ Ὶ ῚῚῚῚῚ ῚῚῚῚ ὨῚῚῚ ῚῚ ῚῚῚῚ 4 Ὶ ῚῚῚ :Solubility ῚῚῚῚῚῚ  
.R ῚῚῚῚῚ

.ῚῚῚῚ ῚῚῚῚ ῚῚῚῚ :Category ῚῚῚῚ

.ῚῚῚῚ Ὶ ῚῚῚ ῚῚ ὨῚῚῚῚ ῚῚῚῚ ῚῚῚῚ ῚῚῚῚ ῚῚῚῚ ῚῚῚῚ ῚῚῚῚ :Storage ῚῚῚῚῚῚ  
ὨῚῚῚῚ ῚῚῚῚ ῚῚῚῚ ῚῚῚῚ ὨῚῚῚῚ ῚῚῚῚ ὨῚῚῚῚ :Additional information ῚῚῚῚῚ ῚῚῚῚῚῚ  
.ῚῚῚῚῚ ῚῚῚῚ ῚῚῚῚ Ὶ ῚῚῚ ὨῚῚῚῚ ῚῚῚῚ ὨῚῚῚῚ ῚῚῚῚ ῚῚῚῚ

## REQUIREMENTS ῚῚῚῚῚῚῚ

ῚῚ ῚῚῚ ῚῚ %98.0 ῚῚ ὨῚῚ Ὶ ῚῚ ὨῚῚῚῚῚῚ ῚῚῚῚ ῚῚῚῚ :General requirement ῚῚῚῚῚ ῚῚῚῚῚῚ  
.ῚῚῚῚῚ ῚῚῚῚ ῚῚ ῚῚῚῚῚῚ ῚῚῚῚ ὨῚῚῚῚῚῚ, 1/2H<sub>2</sub>SO<sub>4</sub> ῚῚ %101.0

## Identity tests

.DŞ ÇŞ B ğ̃ōĥqñŕā şŭ DŞ A dĥōĥqñŕā Ĥñĭ ĔĔĖŬĭ dōŲ •  
 ōāĀĤΣā ĶŐ ĠŌŬĤĭ Ž ĤazŔōā ZĖŬōā āĤĔ" ĵāĤz ĶŐ 8zōzŋ zĤ ĀĤō ōĥqñŕā ĔĖŬĭ :A  
 ōāĀĤΣā ĶŐ ĠĤĭĵā ĭ ĀŌŦā Zĭŭ ĔāĀŬĤĀ .(43 ĠĤĀŌōā Ŭĭ ĄŲŌā) "Spectrophotometry in the infrared region  
 .ōzŋĤzĠāĖōā ğ̃ĀĀŲĖō ĤĤDZĀĤĭ ZĖŬōā 3ŋ şĭ RS ōzŋĤzĠāĖōā ğ̃ĀĀŲĖō d3 ĵĤĀōā ZĖŬōā 3ŋ  
 ĄĤz Ŭvs (ō/ōzŋ 0.1) ŌŌzŲŌşōĤĤā ŖĤ Ž Ōŋ/ŦŲŋ 0.080 ĀĤŌĀō ōzŲŲ ĭ ĀŌŦā Zĭŭ BĄĖĤ :B  
 ĭ ĀĤŌō ĦŲĤĀ ŬĤĠĀŌŬ ĀŦŲŲĤĭ 276 ĠDZŲĭ ōzŬā ĤĤŲŲĭ ĤĄġ ŬĀŦŲŲĤĭ 350ş ĀŦŲŲĤĭ 230 ĤĤ ĠDZŲĭ ōzŬā ĤĤĄĤĀ Ĭŋ  
 .ĤĠĀŌŬ 0.46 ōŌĤ ĠDZŲĭ ōzŬā ĵĤ ĭ ĠĤĀĤz ĠŌĠŭ Ĕ3  
 ĤDZĄĤĤĤ ĵzŭ ĵŲĀ ŬŲS (ō/Ĥ25) ŌĤĄĤΣā ĄĤzŲŌ dŋ Ōŋ 0.1 8ĤŖĤ ōĤŋ Ōŋ 5 Ž Ĥ 0.05 āōŲ :C  
 8ĤŖĤ .āĤŲ ōzŬĤ 3ŋ ĠĤΣ ĠāĤŭ ĵŲĤ ŲŖ ŲzĤĀŲŌā ĤDZşŌĤĤ ğ̃ĤŲzĀĤ dŋ Ĥ 0.05 8ĤŖĤ .ġĀĤΣā BŬ āōĤŲ  
 .ĵzŲōā ĤĄ3 ōzŲŲā ĠĠŌ ŬŲS (ō/Ĥ1760~) ŌŌzĀŲĖōā ŖĤ dŋ ğ̃ĀĀŲĔ ġĄ3  
 General ĠŋĤōā 8āĤŲĔŕā ğ̃ōĥqñŕā" ĵāĤz ĶŐ 8zōzŲĭ A Ō3ĀĀŌā Ōŋ/ŦŲŋ 20 ĄĖŌĀō ōzŲŲ ĤŬĤĤ :D  
 .(123 ĠĤĀŌōā Ŭĭ 1.0 ĄŲŌā) ğ̃ĀĀŲĖō ĄĤĤō "identification tests

.ħ/ŋĭŋ 1.0 ðŋ Āȳōī È ēō :Sulfated ash KĀYĒtā āāġāōā  
0.6 āšāDzQl f) RĀĀĤŋ Ū8r̄ K' ŷ 100 gōāÁg ĠDZóÉā ZĀz :Loss on drying ZĒADzQóĥā ÁĖĖAōā  
.ħ/ŋĭŋ 5.0 ðŋ Āȳōī ÁĖĖAōā JZŌĀ f ÜĞZĀè 18 gĒŋ (ĤĜĀĖK' UĖGāā lŋ 5 šū óĀŌÈĤēzTēō  
ĠÖĔĒĀōā ĠÖĠUōā āāĬĬQēē" jizĀz K' 8zòzŋ zĒ Ātō óĀQŋŋfā ĚĜŪĀ :Related substances ĠĀĬtā āāztā  
ĠŶŦ8ŋ gĀĬtō R1 silica gel ĀŖYEĒōā ĢŋYL yāĒĀQēĒā (84 ĢHuĀŖōā Ū1 ÁYŖŖā) "Thin-layer chromatography  
ĤtDzg 50š ŪR ózŋĤēšĀā-2 ðŋ ĤtDzg 30š óĬtā ðŋ ĤtDzg 16š TS (ò/h260~) ĤĔqŋjā ðŋ yzDzg 4 ðŋ jĀĤš  
(A) BzZ :R ózŋĤēšā Ž KózŸT ðŋ ĀQōšĀŖŋ 5 ĢHuĒĀŖōā zŶz ĤŖŖĀŋ ĚĜŪĀ .ōĀHŖŋ ózŪō R ŖĔžĬqā ĝĀQEÛ ðŋ  
ðŋ ĢHuĒĀŖōā tĀøŧ ĒĤā .ĀQō UŲĕtā Ž óĀQŋŋfā gĀĤŋ ðŋ Ŋĭŋ 0.10 (B)š ĀQō UŲĕtā Ž óĀQŋŋfā gĀĤŋ ðŋ Ŋĭŋ 20  
UĀĤā 3ĖĬŋ zDZ Ž Ēāĕā gĒĜ ĢHuĒĀŖōā 3r̄zĵ .ĤĒŖtā ĀĀQĀ zøŖg őāzTā Ž ZDzŖō őĀŖk ŪāāĬĬQēērī gĀDzg  
ŪŪĀtā ŖHuĀš Ū(šāĤĒōā gĀŋā qŲz KŶŋāĬ) TS diazotized ĀŲĕtā ŖĒĒĀĒĒĒĒ Rēttw āĬ ŪR kŋYŲŮ  
ðŋ gĒĬ Āȳōī ŪĜĒĒĒĒĒ ĢĤŖōā őĀĤȳōēĤā ŪĀ ózŶ+Ĥā ĤŲŶz ŖŖŖĖĒ ĢĤōā ĢŮ JzŖk f .őĀZĀōā ózr̄ Ž UøāāĬĬQēērī  
.B ózŶ+Ĥā ĤŲŶz ŖŖŖĖĒ UøŖōā ĢĤŖōā

$\bar{R}_{tH} \bar{A} \bar{A} \bar{H} \bar{A} \bar{S} R_1 \bar{U} \bar{D} z \bar{Y} \bar{o} \bar{a} \bar{O} \bar{D} \bar{e} \bar{j} \bar{a} \bar{R} \bar{p} \bar{d} \bar{n} \bar{O} \bar{n} \bar{3} \bar{0} \bar{Z} \bar{U} \bar{G} \bar{U} \bar{z} \bar{G} \bar{R} \bar{n} \bar{G} \bar{p} \bar{s} \bar{a} \bar{z} \bar{n} \bar{U} \bar{H} \bar{0} \bar{9} \bar{G} \bar{a} \bar{A} \bar{e} \bar{a} \bar{I} \bar{O} \bar{I} : \text{Assay } \bar{G} \bar{E} \bar{A} \bar{O} \bar{J} \bar{a}$   
 $\bar{U}'' \text{Non-aqueous titration } \bar{U} \bar{A} \bar{n} \bar{Y} \bar{o} \bar{a} \bar{U} \bar{e} \bar{z} \bar{o} \bar{a} \bar{Z} \bar{g} \bar{A} \bar{A} \bar{H} \bar{H} \bar{t} \bar{a}'' \bar{J} \bar{a} \bar{z} \bar{A} \bar{3} \bar{K} \bar{O} \bar{8} \bar{z} \bar{o} \bar{z} \bar{n} \bar{z} \bar{L} \bar{A} \bar{t} \bar{o} \text{ vs } (\bar{o} / \bar{o} \bar{z} \bar{n} \bar{0} \bar{1}) \bar{O} \bar{l} \bar{o} \bar{z} \bar{l} \bar{o} \bar{K} \bar{G} \bar{o} \bar{a}$



$$\cdot\text{C}_{13}\text{H}_{21}\text{NO}_3, \frac{1}{2}\text{H}_2\text{SO}_4$$

.(56 ĠHĀŌĀ Ū4 ĀĪŌĀ) "Parenteral preparations ĠĤŌΣā ġāĀRĤŌĒt" ġāšĀz ĵ ĀĒDzĒĀ

## 320

[illegible]

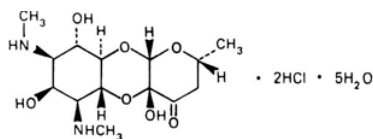
R ȳōzɹʒəŋ'İöâ dn̄ Öñ 0.5 dn̄ j ĀĀñ Ž ĥ 5 ßĀĀ :Water-soluble extractive öĭtā Ž ā äšóôā Ö ĩÁQÊtā  
 .ħ/ñÿñ 300 d3 Ğōĭtžōā DÖK f ÜJàzłş ĞğĀıĀōā dn̄ Öñ 20 ĀĀĞĀ ŪĞñĀ ŪōĀñ Öñ 200ş  
 áĤñĀōā kEĤĤ" Jızłż KŌ 8zòzñ zŁ Ātō öāĀDZqā EĞŪĀ :Acid-insoluble ash Rē tΣā Ž ā äšóôā Kđ áĤñĀōā  
 dn̄ dn̄ Āžōĭ JZŌĀ f Ü(173 ĞHĀĖŌā Ū1 ÁŸŌā) "Determination of Acid-insoluble ash Rē tΣā Ž ā äšóôā Kđ  
 .ħ/ñÿñ 20

[illegible]









**:Chemical name**  $\mathcal{H}\mathfrak{a}\mathfrak{L}\mathfrak{E}\mathfrak{t}\mathfrak{O}\mathfrak{a}\mathfrak{a}\mathfrak{L}\mathfrak{e}\mathfrak{r}\mathfrak{a}$

(2*R*,4*aR*,5*aR*,6*S*,7*S*,8*R*,9*S*,9*aR*,10*aS*)-Decahydro-4*a*,7,9-trihydroxy-2-methyl-6,8-bis(methylamino)-4*H*-pyrano[2,3-*b*][1,4]benzodioxin-4-one dihydrochloride pentahydrate; [2*R*-(2*a*,4*aβ*,5*aβ*,6*β*,7*β*,8*β*,9*a*,9*aα*,10*aβ*)]-decahydro-4*a*,7,9-trihydroxy-2-methyl-6,8-bis(methylamino)-4*H*-pyrano[2,3-*b*][1,4]benzodioxin-4-one dihydrochloride pentahydrate; CAS Reg. No. 22189-32-8 (pentahydrate).

$\mathfrak{G}\mathfrak{H}\mathfrak{u}\mathfrak{a}\mathfrak{A}\mathfrak{a}\mathfrak{a}\mathfrak{C}\mathfrak{A}\mathfrak{Z}\mathfrak{U}\mathfrak{M}\mathfrak{G}\mathfrak{A}\mathfrak{A}\mathfrak{O}\mathfrak{K}\mathfrak{R}\mathfrak{E}\mathfrak{a}\mathfrak{U}\mathfrak{S}\mathfrak{U}\mathfrak{J}\mathfrak{Z}\mathfrak{Y}\mathfrak{a}\mathfrak{a}\mathfrak{R}\mathfrak{E}\mathfrak{a}\mathfrak{U}\mathfrak{B}\mathfrak{O}\mathfrak{Z}\mathfrak{Y}\mathfrak{a}\mathfrak{a}\mathfrak{Z}\mathfrak{H}\mathfrak{U}\mathfrak{E}\mathfrak{n}$  :Description  $\mathfrak{Z}\mathfrak{O}\mathfrak{Z}\mathfrak{a}\mathfrak{a}$

$\mathfrak{R}\mathfrak{Y}\mathfrak{O}\mathfrak{Z}\mathfrak{Z}\mathfrak{S}\mathfrak{O}\mathfrak{Z}\mathfrak{Y}\mathfrak{O}\mathfrak{a}\mathfrak{a}\mathfrak{S}\mathfrak{U}\mathfrak{T}\mathfrak{S}\mathfrak{O}\mathfrak{H}\mathfrak{7}\mathfrak{5}\mathfrak{0}\mathfrak{~}\mathfrak{O}\mathfrak{Z}\mathfrak{U}\mathfrak{A}\mathfrak{Z}\mathfrak{Y}\mathfrak{A}\mathfrak{Q}\mathfrak{a}\mathfrak{Z}\mathfrak{M}\mathfrak{E}\mathfrak{Y}\mathfrak{t}\mathfrak{Z}\mathfrak{a}\mathfrak{a}\mathfrak{S}\mathfrak{a}\mathfrak{e}\mathfrak{f}\mathfrak{U}\mathfrak{O}\mathfrak{A}\mathfrak{t}\mathfrak{a}\mathfrak{Z}\mathfrak{J}\mathfrak{A}\mathfrak{a}\mathfrak{S}\mathfrak{O}\mathfrak{a}\mathfrak{a}\mathfrak{A}\mathfrak{g}$  :Solubility  $\mathfrak{G}\mathfrak{E}\mathfrak{q}\mathfrak{A}\mathfrak{a}\mathfrak{S}\mathfrak{O}\mathfrak{a}\mathfrak{a}$

$\mathfrak{R}\mathfrak{K}\mathfrak{O}\mathfrak{j}\mathfrak{a}\mathfrak{S}$

$\mathfrak{L}\mathfrak{E}\mathfrak{q}\mathfrak{a}\mathfrak{A}\mathfrak{a}\mathfrak{Z}\mathfrak{a}\mathfrak{a}\mathfrak{A}\mathfrak{A}\mathfrak{R}\mathfrak{n}\mathfrak{O}\mathfrak{a}\mathfrak{S}\mathfrak{a}$  :Category  $\mathfrak{G}\mathfrak{A}\mathfrak{A}\mathfrak{O}\mathfrak{a}\mathfrak{a}$

$\mathfrak{g}\mathfrak{O}\mathfrak{a}\mathfrak{A}\mathfrak{g}\mathfrak{G}\mathfrak{D}\mathfrak{Z}\mathfrak{O}\mathfrak{A}\mathfrak{a}\mathfrak{J}\mathfrak{A}\mathfrak{Z}\mathfrak{J}\mathfrak{U}\mathfrak{S}\mathfrak{U}\mathfrak{M}\mathfrak{A}\mathfrak{E}\mathfrak{D}\mathfrak{Z}\mathfrak{G}\mathfrak{O}\mathfrak{Y}\mathfrak{8}\mathfrak{n}\mathfrak{G}\mathfrak{A}\mathfrak{S}\mathfrak{A}\mathfrak{g}\mathfrak{Z}\mathfrak{k}\mathfrak{E}\mathfrak{n}\mathfrak{Z}\mathfrak{A}\mathfrak{E}\mathfrak{Q}\mathfrak{O}\mathfrak{G}\mathfrak{E}\mathfrak{a}\mathfrak{a}\mathfrak{A}\mathfrak{E}\mathfrak{O}\mathfrak{Z}\mathfrak{Y}\mathfrak{O}\mathfrak{S}\mathfrak{O}\mathfrak{A}\mathfrak{E}\mathfrak{L}\mathfrak{S}\mathfrak{A}\mathfrak{Z}\mathfrak{J}\mathfrak{U}\mathfrak{A}\mathfrak{E}\mathfrak{Z}$  :Storage  $\mathfrak{O}\mathfrak{A}\mathfrak{A}\mathfrak{Q}\mathfrak{O}\mathfrak{a}\mathfrak{a}$

$\mathfrak{.}^{\circ}\mathfrak{Y}\mathfrak{3}\mathfrak{0}\mathfrak{O}\mathfrak{Z}\mathfrak{A}\mathfrak{A}\mathfrak{A}\mathfrak{K}\mathfrak{f}$

# REQUIREMENTS $\mathfrak{K}\mathfrak{C}\mathfrak{h}\mathfrak{U}\mathfrak{I}\mathfrak{S}\mathfrak{K}\mathfrak{d}\mathfrak{Z}\mathfrak{I}\mathfrak{f}$

$\mathfrak{6}\mathfrak{0}\mathfrak{0}\mathfrak{O}\mathfrak{Z}\mathfrak{O}\mathfrak{O}\mathfrak{L}\mathfrak{f}\mathfrak{A}\mathfrak{n}\mathfrak{Z}\mathfrak{Y}\mathfrak{3}\mathfrak{k}\mathfrak{E}\mathfrak{n}\mathfrak{Z}\mathfrak{A}\mathfrak{E}\mathfrak{Q}\mathfrak{O}\mathfrak{G}\mathfrak{E}\mathfrak{a}\mathfrak{a}\mathfrak{A}\mathfrak{E}\mathfrak{O}\mathfrak{Z}\mathfrak{Y}\mathfrak{O}\mathfrak{S}\mathfrak{O}\mathfrak{A}\mathfrak{E}\mathfrak{L}\mathfrak{B}\mathfrak{Z}\mathfrak{Q}\mathfrak{Z}$  :General requirement  $\mathfrak{Y}\mathfrak{A}\mathfrak{H}\mathfrak{O}\mathfrak{a}\mathfrak{a}\mathfrak{A}\mathfrak{E}\mathfrak{Y}\mathfrak{U}\mathfrak{Q}\mathfrak{t}\mathfrak{a}$

$\mathfrak{.}\mathfrak{G}\mathfrak{E}\mathfrak{a}\mathfrak{A}\mathfrak{n}\mathfrak{Y}\mathfrak{O}\mathfrak{a}\mathfrak{g}\mathfrak{A}\mathfrak{t}\mathfrak{a}\mathfrak{B}\mathfrak{U}\mathfrak{t}\mathfrak{Z}\mathfrak{D}\mathfrak{Z}\mathfrak{A}\mathfrak{O}\mathfrak{A}\mathfrak{a}\mathfrak{G}\mathfrak{a}\mathfrak{Z}\mathfrak{E}\mathfrak{T}\mathfrak{Y}\mathfrak{a}\mathfrak{A}\mathfrak{O}\mathfrak{a}\mathfrak{a}\mathfrak{Z}\mathfrak{C}_{14}\mathfrak{H}_{24}\mathfrak{N}_2\mathfrak{O}_7\mathfrak{O}\mathfrak{n}\mathfrak{Y}\mathfrak{a}\mathfrak{A}\mathfrak{Q}\mathfrak{S}\mathfrak{A}\mathfrak{O}\mathfrak{n}$

**:Identity tests**  $\mathfrak{h}\mathfrak{U}\mathfrak{N}\mathfrak{J}\mathfrak{N}\mathfrak{U}\mathfrak{I}\mathfrak{E}\mathfrak{L}\mathfrak{E}\mathfrak{P}\mathfrak{F}\mathfrak{G}\mathfrak{I}\mathfrak{Q}\mathfrak{I}\mathfrak{E}$

Spectrophotometry in  $\mathfrak{O}\mathfrak{a}\mathfrak{A}\mathfrak{t}\mathfrak{S}\mathfrak{a}\mathfrak{K}\mathfrak{O}\mathfrak{G}\mathfrak{O}\mathfrak{U}\mathfrak{A}\mathfrak{t}\mathfrak{a}\mathfrak{Z}\mathfrak{H}\mathfrak{a}\mathfrak{Z}\mathfrak{R}\mathfrak{a}\mathfrak{a}\mathfrak{Z}\mathfrak{E}\mathfrak{U}\mathfrak{a}\mathfrak{a}\mathfrak{a}\mathfrak{A}\mathfrak{E}\mathfrak{e}"\mathfrak{J}\mathfrak{a}\mathfrak{Z}\mathfrak{K}\mathfrak{O}\mathfrak{8}\mathfrak{Z}\mathfrak{O}\mathfrak{Z}\mathfrak{t}\mathfrak{a}\mathfrak{O}\mathfrak{A}\mathfrak{Q}\mathfrak{O}\mathfrak{n}\mathfrak{r}\mathfrak{a}\mathfrak{E}\mathfrak{O}\mathfrak{U}\mathfrak{L}:\mathfrak{A}$

$\mathfrak{O}\mathfrak{Z}\mathfrak{J}\mathfrak{K}\mathfrak{A}\mathfrak{O}\mathfrak{a}\mathfrak{a}\mathfrak{Z}\mathfrak{E}\mathfrak{U}\mathfrak{a}\mathfrak{a}\mathfrak{3}\mathfrak{n}\mathfrak{O}\mathfrak{a}\mathfrak{A}\mathfrak{t}\mathfrak{S}\mathfrak{a}\mathfrak{K}\mathfrak{O}\mathfrak{G}\mathfrak{H}\mathfrak{I}\mathfrak{j}\mathfrak{a}\mathfrak{I}\mathfrak{A}\mathfrak{O}\mathfrak{Q}\mathfrak{n}\mathfrak{a}\mathfrak{Z}\mathfrak{E}\mathfrak{U}\mathfrak{E}\mathfrak{a}\mathfrak{A}\mathfrak{U}\mathfrak{Q}\mathfrak{A}\mathfrak{.}\mathfrak{(}\mathfrak{4}\mathfrak{3}\mathfrak{G}\mathfrak{H}\mathfrak{A}\mathfrak{O}\mathfrak{a}\mathfrak{a}\mathfrak{U}\mathfrak{1}\mathfrak{A}\mathfrak{E}\mathfrak{Y}\mathfrak{O}\mathfrak{a}\mathfrak{)}\mathfrak{"the\ infrared\ region}$

$\mathfrak{.}\mathfrak{k}\mathfrak{E}\mathfrak{n}\mathfrak{Z}\mathfrak{A}\mathfrak{E}\mathfrak{Q}\mathfrak{O}\mathfrak{G}\mathfrak{E}\mathfrak{a}\mathfrak{a}\mathfrak{A}\mathfrak{E}\mathfrak{O}\mathfrak{Z}\mathfrak{Y}\mathfrak{O}\mathfrak{S}\mathfrak{O}\mathfrak{A}\mathfrak{E}\mathfrak{T}\mathfrak{U}\mathfrak{H}\mathfrak{D}\mathfrak{Z}\mathfrak{A}\mathfrak{t}\mathfrak{a}\mathfrak{Z}\mathfrak{E}\mathfrak{U}\mathfrak{a}\mathfrak{a}\mathfrak{3}\mathfrak{n}\mathfrak{S}\mathfrak{U}\mathfrak{R}\mathfrak{S}\mathfrak{k}\mathfrak{E}\mathfrak{n}\mathfrak{Z}\mathfrak{A}\mathfrak{E}\mathfrak{Q}\mathfrak{O}\mathfrak{G}\mathfrak{E}\mathfrak{a}\mathfrak{a}\mathfrak{A}\mathfrak{E}\mathfrak{O}\mathfrak{Z}\mathfrak{Y}\mathfrak{O}\mathfrak{S}\mathfrak{O}\mathfrak{A}\mathfrak{E}\mathfrak{L}$

$\mathfrak{J}\mathfrak{a}\mathfrak{Z}\mathfrak{K}\mathfrak{O}\mathfrak{8}\mathfrak{Z}\mathfrak{O}\mathfrak{Z}\mathfrak{t}\mathfrak{a}\mathfrak{B}\mathfrak{O}\mathfrak{Z}\mathfrak{A}\mathfrak{Q}\mathfrak{O}\mathfrak{a}\mathfrak{O}\mathfrak{n}\mathfrak{Y}\mathfrak{I}\mathfrak{n}\mathfrak{2}\mathfrak{0}\mathfrak{A}\mathfrak{E}\mathfrak{O}\mathfrak{A}\mathfrak{Q}\mathfrak{a}\mathfrak{O}\mathfrak{Z}\mathfrak{Y}\mathfrak{T}\mathfrak{Z}\mathfrak{O}\mathfrak{n}\mathfrak{Y}\mathfrak{I}\mathfrak{n}\mathfrak{2}\mathfrak{0}\mathfrak{A}\mathfrak{E}\mathfrak{O}\mathfrak{A}\mathfrak{Q}\mathfrak{a}\mathfrak{O}\mathfrak{Z}\mathfrak{Y}\mathfrak{T}\mathfrak{I}\mathfrak{A}\mathfrak{O}\mathfrak{Q}\mathfrak{n}\mathfrak{a}\mathfrak{Z}\mathfrak{E}\mathfrak{U}\mathfrak{U}\mathfrak{H}\mathfrak{L}:\mathfrak{B}$

$\mathfrak{.}\mathfrak{(}\mathfrak{1}\mathfrak{2}\mathfrak{1}\mathfrak{G}\mathfrak{H}\mathfrak{A}\mathfrak{O}\mathfrak{a}\mathfrak{a}\mathfrak{U}\mathfrak{1}\mathfrak{A}\mathfrak{E}\mathfrak{Y}\mathfrak{O}\mathfrak{a}\mathfrak{)}\mathfrak{g}\mathfrak{a}\mathfrak{A}\mathfrak{E}\mathfrak{O}\mathfrak{Z}\mathfrak{Y}\mathfrak{O}\mathfrak{Y}\mathfrak{O}\mathfrak{A}\mathfrak{E}\mathfrak{t}\mathfrak{t}\mathfrak{O}\mathfrak{"General\ identification\ tests}\mathfrak{G}\mathfrak{n}\mathfrak{A}\mathfrak{H}\mathfrak{O}\mathfrak{a}\mathfrak{8}\mathfrak{a}\mathfrak{A}\mathfrak{H}\mathfrak{Q}\mathfrak{e}\mathfrak{r}\mathfrak{a}\mathfrak{g}\mathfrak{a}\mathfrak{O}\mathfrak{A}\mathfrak{Q}\mathfrak{n}\mathfrak{a}"}$







$\gamma\theta\zeta\varsigma\theta\zeta\iota\omicron\ddot{o}\ddot{a}$   $\check{Z}$   $J\grave{a}\varsigma\acute{o}\ddot{a}$   $\grave{A}g$   $\grave{U}Ts$  ( $\acute{o}/\hbar750\sim$ )  $\acute{o}\zeta\varphi\acute{\alpha}\zeta\iota\varphi\grave{a}$   $\check{Z}$   $\grave{a}\grave{a}\varsigma\acute{a}$   $\acute{U}\acute{o}\acute{A}\grave{t}\grave{a}$   $\check{Z}$   $\grave{M}\acute{E}\check{\tau}3$   $\grave{a}\grave{a}\varsigma\acute{a}$   $\pmb{\epsilon}$  :Solubility  $\check{G}\acute{e}\varphi\grave{A}\grave{e}\varsigma\acute{o}\ddot{a}$   
 .R  
 . $\varphi\acute{E}\eta$  :Category  $\check{G}\acute{A}\acute{A}\ddot{o}\ddot{a}$   
 . $\acute{o}\zeta\check{R}\ddot{a}$   $\text{d}\eta$   $\check{G}\check{\tau}\check{\tau}$   $\acute{U}\check{M}\acute{E}\check{D}Z$   $\check{G}\acute{O}\check{Y}8\eta$   $\check{G}\grave{A}\varsigma\grave{a}g$   $\check{Z}$   $J\zeta\check{Q}\check{D}\check{F}\zeta\varphi\varsigma K\check{G}\acute{E}\ddot{a}$   $\check{S}\acute{A}3$   $J\grave{U}$   $\check{A}Ez$  :Storage  $\text{d}\iota\grave{A}\acute{A}\acute{Q}\ddot{a}$   
 $g\acute{o}\ddot{a}\acute{A}g$   $\check{G}DZ\acute{o}\acute{A}\acute{e}$   $\check{M}\acute{A}\acute{E}\check{E}\check{T}\check{Q}$   $\check{M}\acute{o}\acute{A}\check{T}\acute{O}\varphi\grave{a}$   $J\zeta\check{Q}\check{D}\check{F}\zeta\varphi\varsigma K\check{G}\acute{E}\ddot{a}$   $B\acute{A}G\grave{A}$   $J\grave{U}$   $\text{d}\acute{O}\zeta$  :Additional information  $\check{G}\acute{E}z\acute{A}\check{\iota}\check{r}\acute{U}$   $\check{g}\check{A}\eta\zeta\check{Y}\check{H}\eta$   
 . $\check{A}\check{E}\check{Y}\acute{O}\check{Q}\ddot{a}$   $g\acute{a}z\check{H}\grave{a}$   $3\check{G}\check{Q}\check{A}$   $\acute{U}\check{M}\check{G}\check{A}\check{A}\check{O}\check{k}$   $\check{Y}$  135

# REQUIREMENTS $K\check{C}h\check{u}\check{\iota}\check{T}\check{S}k\check{d}\check{z}\check{f}$

$\text{d}3$   $\acute{A}L\acute{A}\check{L}$   $\pmb{\epsilon}\varsigma$  %97.0  $\text{d}3$   $\acute{O}\acute{O}\check{L}$   $\pmb{\epsilon}$   $\acute{A}\eta$   $\check{r}\check{V}3$   $J\zeta\check{Q}\check{D}\check{F}\zeta\varphi\varsigma K\check{G}\acute{E}\ddot{a}$   $Bz\check{Q}3$  :General requirement  $\check{Y}\acute{A}\check{H}\acute{o}\ddot{a}$   $\check{A}\check{E}\check{Y}\acute{U}\check{Q}\check{t}\grave{a}$   
 . $\check{G}\acute{A}\acute{A}\acute{O}\ddot{a}$   $g\acute{a}\acute{A}\check{t}\check{a}$   $B\check{U}$   $\check{t}\check{z}DZ\acute{A}\acute{o}\check{A}\grave{a}$   $\check{G}\check{a}z\acute{E}\check{T}$   $\acute{U}C_{24}H_{32}O_4S$   $\text{d}\eta$  %101.5  
 :Identity tests  $h\check{u}\check{N}\check{Y}\check{N}\check{U}\check{M}\acute{E}$   $l\epsilon\check{p}\check{F}\check{G}\check{H}\check{Q}\check{E}$   
 . $D\varsigma$   $C\varsigma$   $B$   $\check{g}\check{M}\acute{A}\check{Q}\check{A}\check{n}\check{r}\grave{a}$   $\check{S}\check{U}$   $\check{C}\acute{a}\acute{A}\acute{A}\eta$   $A$   $\acute{o}\acute{A}\check{Q}\check{A}\check{n}\check{r}\grave{a}$   $\acute{A}\eta\check{U}$   $\check{P}\acute{A}z$  •  
 $\acute{o}\ddot{a}\acute{A}\check{t}\Sigma\grave{a}$   $\check{K}\acute{O}$   $\check{G}\acute{O}\acute{U}\acute{A}\check{t}\check{a}$   $\check{Z}$   $\text{U}\check{a}z\check{R}\ddot{a}$   $Z\check{E}\acute{U}\ddot{a}$   $\acute{a}\acute{A}\check{e}\check{r}$ "  $J\check{a}z\check{A}3$   $\check{K}\acute{O}$   $\delta z\check{O}z\eta$   $z\check{L}$   $\acute{A}\check{t}\check{O}$   $\acute{o}\acute{A}\check{Q}\check{A}\check{n}\check{r}\grave{a}$   $\check{E}\check{G}\acute{U}\check{L}$  :A  
 $\acute{o}\ddot{a}\acute{A}\check{t}\Sigma\grave{a}$   $\check{K}\acute{O}$   $\check{G}\check{H}\check{\iota}\check{j}\grave{a}$   $\acute{I}$   $\acute{A}\acute{O}\eta\check{a}$   $Z\check{E}\check{U}$   $\check{E}\check{a}\acute{A}\acute{U}\check{Q}\check{L}$  .(43  $\check{G}\check{H}\acute{A}\acute{O}\ddot{a}$   $\acute{U}1$   $\acute{A}\check{E}\check{Y}\acute{O}\check{a}$ ) "Spectrophotometry in the infrared region  
 . $J\zeta\check{Q}\check{D}\check{F}\zeta\varphi\varsigma K\check{G}\acute{E}\ddot{a}$   $\text{U}\check{H}\check{D}Z\acute{A}\check{t}\check{a}$   $Z\check{E}\acute{U}\ddot{a}$   $3\eta$   $\check{S}\check{U}$   $RS$   $J\zeta\check{Q}\check{D}\check{F}\zeta\varphi\varsigma K\check{G}\acute{E}\ddot{a}$   $\text{d}3$   $\check{J}\check{k}\acute{A}\acute{A}\ddot{a}$   $Z\check{E}\acute{U}\ddot{a}$   $3\eta$   
 230  $k\check{a}$   $\check{g}\check{A}DZ\check{r}\eta$   $\acute{o}z\check{U}\ddot{a}$   $\check{C}\check{k}\acute{A}\acute{E}\acute{L}\acute{A}\check{I}\eta$   $\acute{A}L3$   $\acute{U}R$   $\acute{o}z\varphi\acute{A}\check{Y}\check{E}\check{t}\check{a}$   $\check{Z}$   $\acute{O}\eta/\check{Y}\acute{A}\acute{A}d\varsigma\acute{A}\acute{O}\eta$  10  $\acute{A}\acute{E}\check{O}\acute{A}\check{Q}\check{a}$   $\acute{o}z\check{Y}\check{T}$   $\acute{I}$   $\acute{A}\acute{O}\eta\check{a}$   $Z\check{E}\check{U}$   $B\acute{A}G\grave{A}$  :B  
 $\acute{o}z\acute{U}\check{a}$   $l\grave{e}$  1  $\check{G}\varphi\acute{A}\acute{A}\check{J}\check{a}$   $\check{G}\acute{O}\check{G}\check{U}$   $\check{E}3$   $\acute{I}$   $\acute{A}\check{t}\check{Q}\ddot{a}$   $\eta\check{Y}G\grave{A}$   $\acute{U}\check{M}\check{G}\check{A}\check{A}\check{O}\check{k}$   $\acute{A}\check{Q}\eta\zeta\varphi\acute{A}\varphi$  238  $\check{G}DZ\check{r}\check{t}\check{a}$   $\acute{o}z\acute{U}\check{a}$   $\check{M}\check{E}\check{t}3\check{U}$   $\check{M}\acute{A}g$   $\acute{U}\acute{A}\check{Q}\eta\zeta\varphi\acute{A}\varphi$  350 $\varsigma$   $\acute{A}\check{Q}\eta\zeta\varphi\acute{A}\varphi$   
 . $\check{M}\check{G}\check{A}\check{A}\check{O}\check{k}$  0.47  $\check{a}\acute{O}\check{L}$   $\check{G}DZ\check{r}\check{t}\check{a}$   
 $\acute{A}\check{R}\check{n}\check{U}$   $\acute{A}L\acute{A}\check{I}$   $\check{E}\check{U}\check{U}\check{k}$   $\varsigma\acute{a}$   $B\acute{A}\check{O}\check{k}\check{A}\check{a}$   $\acute{o}z\check{Y}\check{T}$   $\check{J}\check{Q}\check{A}\check{L}$   $\acute{U}Ts$  ( $\acute{o}/\hbar700\sim$ )  $\acute{O}\check{L}\acute{o}z\acute{A}\check{Y}\acute{E}\ddot{a}$   $\check{R}\grave{\epsilon}\check{p}$   $\text{d}\eta$   $\acute{O}\eta$  2  $\check{Z}$   $\eta\check{Y}\eta$  10  $\check{Z}\acute{A}\check{L}$  :C  
 $\check{g}\check{A}\check{Q}\check{E}\check{U}$   $\check{G}\epsilon\theta\varsigma$   $\acute{a}\check{r}\check{E}\check{L}$   $B\acute{O}\ddot{a}$   $\acute{U}kDZ\varsigma\acute{o}\acute{A}\acute{E}\check{T}\check{a}$   $\acute{A}\acute{E}\acute{A}\check{Y}\grave{e}$   $\acute{o}z\acute{U}\check{k}$   $3\eta$   $\text{d}\check{O}\check{A}\acute{A}\ddot{a}$   $\acute{A}\check{p}\check{j}\grave{a}$   $B\check{U}$   $J\zeta\check{Y}\ddot{a}$   $\acute{o}\acute{A}\check{Q}\check{A}$   $\acute{U}Z\acute{U}\check{Y}\check{a}$   $\acute{o}z\check{Y}+\check{a}$   $\text{d}\acute{A}\acute{E}\acute{L}$  . $\check{M}\acute{A}\acute{O}\eta$   
 . $l\check{E}\check{t}\check{d}$   $\acute{U}\check{M}\check{R}\check{U}$   $\acute{A}\acute{A}\check{O}\check{U}$   $J\zeta\check{o}$   $\check{J}\check{Q}\check{A}\check{L}$   $\acute{U}\acute{o}\acute{A}\check{t}\check{a}$   $\check{Z}$   $\acute{o}z\check{Y}+\check{a}$   $\check{Y}\acute{E}\acute{O}\check{L}$  .R  $\acute{I}$   $\acute{A}\check{O}\acute{A}\ddot{a}$   
 . $\acute{O}\acute{O}\acute{A}\check{Q}\ddot{a}$   $3\eta$   $\check{Y}$  204  $\check{C}\check{a}\check{a}\acute{A}\check{e}$   $\acute{U}\acute{o}\acute{A}\check{T}\acute{O}\varphi\check{r}\grave{a}$   $\check{G}DZ\acute{o}\acute{A}$  :D

$\acute{U}R$   $\gamma\theta\zeta\varsigma\theta\zeta\iota\omicron\ddot{o}\ddot{a}$   $\check{Z}$   $\acute{O}\eta/\eta\check{Y}\eta$  10  $\acute{A}\acute{E}\check{O}\acute{A}\check{Q}\check{a}$   $\acute{o}z\check{Y}\check{T}$   $\check{Y}\acute{A}\acute{A}\check{Q}\acute{E}\acute{L}$  :Specific optical rotation  $\text{U}3z\acute{A}\acute{o}\ddot{a}$   $B\acute{A}\acute{O}\check{G}\ddot{a}$   $\acute{A}\check{L}\varsigma\acute{A}\acute{Q}\ddot{a}$   
 . $[a]_D^{20^\circ C} = -33.0$  to  $-37.0^\circ$

$\check{G}\acute{O}\check{X}z\grave{a}$   $\check{Z}$   $R$   $\check{Y}z\check{E}\grave{a}\check{K}z\check{G}\ddot{a}$   $\check{g}\check{A}\acute{A}\varphi$   $\text{d}\eta$   $\check{h}$  0.3 $\varsigma$   $R$   $\check{Y}z\check{E}\grave{a}\check{K}z\check{G}\ddot{a}$   $\check{g}\check{A}\varphi z\grave{a}\check{A}\check{O}$   $\text{d}\eta$   $\check{h}$  1  $3\eta$   $\check{h}$  0.20  $3\check{r}\check{z}\check{L}$  :Chromium  $\check{Y}\check{S}\acute{A}\acute{O}\ddot{a}$   
 . $J\zeta\check{r}\check{A}\acute{O}\ddot{a}$   $\acute{o}\acute{A}\check{A}\check{L}$   $\check{r}\check{O}\check{Q}g$   $\check{Y}$  650-600  $g\acute{o}\ddot{a}\acute{A}g$   $\check{G}DZ\acute{o}\acute{A}\acute{e}$  ( $\acute{O}\check{H}\acute{I}\check{L}$ )  $\acute{A}\eta\check{A}\check{L}\varsigma$   $\acute{U}\acute{o}\acute{A}\check{T}\acute{O}\varphi\check{r}\grave{a}$   $\check{r}\check{O}\check{Q}g$   $Z\acute{U}\check{Y}\check{a}$   $\text{d}\acute{A}\acute{E}\acute{L}$   $\acute{U}\check{Z}\acute{A}\check{e}$   $\acute{U}\check{C}\check{E}\check{M}\check{E}\check{K}\check{Y}\check{a}$   
 $\text{d}\eta$   $\check{G}\check{E}z\acute{A}\check{O}$   $\check{G}\check{E}\check{t}\acute{O}\check{a}$   $Z\acute{A}\check{C}\varsigma$   $\acute{U}\check{G}\check{\iota}\check{A}\check{L}$   $\acute{U}Z\check{E}\acute{U}\check{Y}\ddot{a}$   $k\acute{A}\acute{E}\check{r}\ddot{a}$   $\check{Y}\acute{a}\acute{A}\acute{A}\check{r}\check{e}\acute{A}\check{a}$   $\acute{o}\acute{A}\eta$   $\acute{O}\eta$  10  $\check{Z}$   $\check{C}\acute{A}\acute{O}ur$   $\check{G}DZ\acute{o}\acute{A}$   $\check{r}\check{O}\check{e}\check{U}$   $B\check{U}$   $\check{G}\acute{o}\check{A}\check{t}\check{J}\ddot{a}$   $\acute{a}\check{A}\check{O}\check{k}$   $\acute{U}\acute{A}\check{E}\acute{L}$

$\dot{U}_{TS}$  ( $\dot{o}/\dot{h}190\sim$ )  $\ddot{O}\dot{m}\acute{o}z\acute{A}Y\acute{E}\ddot{o}\ddot{a}$   $\ddot{R}\acute{t}\mathbb{W}$   $\ddot{R}\acute{t}\mathbb{H}\acute{u}\acute{s}$   $R$   $\acute{A}\dot{m}\acute{o}z\acute{E}\ddot{o}\ddot{a}$   $\text{d}\eta$   $\check{h}$  0.5  $\ddot{O}\eta$  10  $\mathbb{B}\acute{U}$  8  $\acute{A}\acute{R}\acute{A}$  . $\ddot{O}\eta$  20  $\mathcal{P}\acute{Y}\mathcal{Z}$   $\acute{o}z\acute{O}\mathbb{H}\acute{v}\acute{o}$   $\acute{o}\acute{A}\acute{t}\acute{a}$   
 $J\mathcal{Z}\acute{o}$   $\text{d}\eta$   $\mathbb{E}\acute{t}\mathbb{Q}\acute{U}$   $\check{J}\acute{k}\acute{A}\acute{A}\acute{o}\acute{a}$   $J\mathcal{Z}\acute{Y}\acute{o}\acute{a}$   $J\mathcal{Z}\acute{O}\acute{A}$   $\mathfrak{r}$  .TS  $\acute{A}\acute{A}\acute{a}\acute{a}\acute{o}\acute{A}\acute{o}$   $\ddot{O}\acute{E}\acute{A}\acute{E}\mathcal{Z}$   $\mathbb{U}\acute{a}\acute{A}\acute{Q}$   $\acute{o}z\acute{Y}\mathbb{T}$   $\text{d}\eta$   $\ddot{O}\eta$  0.5 8  $\acute{A}\acute{R}\acute{A}\mathcal{S}$   $\acute{U}\acute{o}\acute{A}\acute{t}\acute{a}$   $\ddot{O}\eta$  20  $\mathbb{B}\acute{U}$   $\mathcal{Z}\acute{A}\mathcal{E}$   
 $\mathbb{B}\acute{O}\acute{o}\acute{a}$   $\mathbb{M}\mathcal{D}\mathcal{Z}\acute{a}\acute{H}\acute{U}$   $\acute{A}\acute{R}\mathfrak{+}\acute{a}$   $\acute{o}z\acute{Y}\mathfrak{+}\acute{a}$   $\text{d}\eta$   $\ddot{O}\eta$  0.50  $\mathbb{B}\acute{U}$   $\dot{U}_{TS}$  ( $\dot{o}/\dot{h}190\sim$ )  $\ddot{O}\dot{m}\acute{o}z\acute{A}Y\acute{E}\ddot{o}\ddot{a}$   $\ddot{R}\acute{p}$   $\text{d}\eta$   $\ddot{O}\eta$  1  $\mathcal{G}\mathcal{Z}\acute{A}\acute{r}\acute{U}$   $\text{d}\mathcal{Z}$   $\check{J}\acute{k}\acute{A}\acute{A}\acute{o}\acute{a}$   $\acute{o}z\acute{Y}\mathfrak{+}\acute{a}$   
 $\text{d}\eta$   $\ddot{O}\eta$  0.5 8  $\acute{A}\acute{R}\acute{A}\mathcal{S}$   $\acute{o}\acute{A}\acute{t}\acute{a}$   $\ddot{O}\eta$  20  $\mathbb{B}\acute{U}$   $\mathcal{Z}\acute{A}\mathcal{E}$   $\acute{Z}$   $\acute{U}\acute{o}\acute{A}\eta$   $\ddot{O}\eta$  100  $\check{Z}$   $R$   $\check{y}\mathcal{Z}\acute{E}\acute{A}\acute{k}\mathcal{Z}\acute{G}\acute{o}\acute{a}$   $\check{g}\acute{A}\eta\mathcal{S}\acute{A}\acute{o}$   $\mathbb{U}\acute{a}\acute{A}\acute{Q}$   $\text{d}\eta$   $\eta\acute{Y}\eta$  2.83  $\mathbb{B}\mathcal{Z}\mathbb{Q}\mathcal{Z}$   
 .TS  $\acute{A}\acute{A}\acute{a}\acute{a}\acute{o}\acute{A}\acute{o}$   $\ddot{O}\acute{E}\acute{A}\acute{E}\mathcal{Z}$   $\mathbb{U}\acute{a}\acute{A}\acute{Q}$

$\check{h}/\eta\acute{Y}\eta$  1.0  $\text{d}\eta$   $\check{A}\check{Z}\acute{o}\acute{U}$   $\acute{E}\acute{E}\acute{o}$  :Sulfated ash  $\check{K}\acute{A}Y\acute{E}\acute{t}\acute{a}$   $\acute{a}\acute{A}\eta\acute{A}\acute{o}\acute{a}$

$\check{h}/\eta\acute{Y}\eta$  5.0  $\text{d}\eta$   $\check{A}\check{Z}\acute{o}\acute{U}$   $\acute{A}\acute{E}\acute{O}\acute{A}\acute{o}\acute{a}$   $J\mathcal{Z}\acute{O}\acute{A}$   $\mathfrak{r}$   $\acute{U}\circ\check{y}$  105  $g\acute{o}\acute{a}\acute{A}\acute{g}$   $\check{G}\mathcal{D}\mathcal{Z}\acute{o}\acute{A}\acute{a}$   $\mathcal{Z}\acute{A}\mathcal{Z}$  :Loss on drying  $\mathcal{Z}\acute{E}\acute{A}\mathcal{D}\mathcal{Z}\mathbb{Q}\acute{o}\acute{A}\acute{a}$   $\acute{A}\acute{E}\acute{O}\acute{A}\acute{o}\acute{a}$   
 $\check{G}\acute{O}\acute{E}\acute{A}\acute{o}\acute{a}$   $\check{G}\acute{O}\mathcal{G}\acute{U}\acute{o}\acute{a}$   $\acute{a}\acute{A}\acute{I}\mathbb{Q}\acute{e}\acute{r}\acute{a}$   $J\acute{A}\mathcal{Z}\mathcal{A}\mathcal{Z}$   $\check{K}\acute{O}$  8  $\mathcal{Z}\acute{o}\mathcal{Z}\eta$   $\mathcal{Z}\acute{E}$   $\acute{A}\acute{t}\acute{o}$   $\acute{o}\acute{A}\mathcal{Q}\eta\mathfrak{+}\acute{a}$   $\mathbb{E}\mathcal{G}\acute{U}\acute{A}$  :Related substances  $\check{G}\acute{o}\acute{A}\acute{I}\mathbb{Q}\acute{e}\acute{r}\acute{a}$   $\acute{a}\acute{A}\mathcal{Z}\acute{t}\acute{a}$   
 $\check{G}\acute{Y}\check{H}\delta\eta$   $g\acute{A}\acute{A}\acute{t}\acute{o}$   $R5$  silica gel  $\acute{A}\acute{O}\acute{E}\acute{Y}\acute{E}\acute{E}\acute{o}\acute{a}$   $\check{G}\eta\acute{Y}\acute{E}$   $\check{y}\acute{a}\acute{A}\acute{A}\mathbb{Q}\acute{e}\acute{A}\acute{a}$  (84  $\check{G}\mathbb{H}\acute{A}\acute{O}\acute{o}\acute{a}$   $\acute{U}1$   $\acute{A}\acute{Y}\acute{O}\acute{a}$ ) "Thin-layer chromatography  
 5  $\check{G}\mathbb{H}\acute{E}\acute{A}\acute{O}\acute{o}\acute{a}$   $\mathcal{P}\acute{Y}\mathcal{Z}$   $\mathbb{W}\acute{O}\acute{A}\acute{A}\eta$   $\mathbb{E}\mathcal{G}\acute{U}\acute{A}$  . $\ddot{O}\acute{A}\mathbb{H}\mathbb{Q}\eta$   $\acute{o}z\acute{U}\acute{o}$   $R$   $\ddot{O}\acute{E}\mathcal{K}\mathcal{Z}\acute{G}\acute{o}\acute{a}$   $\check{g}\acute{A}\mathbb{Q}\acute{E}\acute{U}\acute{s}$  ( $\check{G}\acute{t}\acute{a}\acute{Y}\eta$   $\mathbb{B}\acute{o}\acute{A}\theta$   $\acute{o}\acute{A}\acute{O}\eta$   $\text{d}\eta$   $\check{G}\acute{Y}\check{H}\delta\eta$   $\check{G}\mathbb{H}\acute{E}\acute{A}\acute{O}\acute{o}\acute{a}$ )  
 $g\acute{A}\acute{A}\eta$   $\text{d}\eta$   $\eta\acute{Y}\eta$  0.20 (B)s  $\acute{A}\mathbb{Q}\acute{o}$   $\mathbb{U}\acute{Y}\acute{E}\acute{t}\acute{a}$   $\check{Z}$   $\acute{o}\acute{A}\mathcal{Q}\eta\mathfrak{+}\acute{a}$   $g\acute{A}\acute{A}\eta$   $\text{d}\eta$   $\eta\acute{Y}\eta$  20 (A)  $\mathbb{B}\mathcal{Z}\mathcal{Z}$  :R  $\check{y}\acute{o}\mathcal{Z}\mathcal{Z}\mathcal{S}\acute{o}\mathcal{Z}\acute{Y}\acute{O}\acute{o}\acute{a}$   $\check{Z}$   $\mathcal{K}\acute{I}\mathcal{Z}\acute{Y}\mathbb{T}$   $\text{d}\eta$   $\acute{A}\mathbb{Q}\acute{o}\mathcal{S}\acute{A}\acute{O}\eta$   
 $\check{G}\acute{E}\mathbb{Q}\acute{A}\mathcal{Q}$   $g\acute{A}\eta$   $\acute{A}\mathbb{X}\mathbb{T}\acute{A}\acute{s}$   $\check{G}\mathcal{Z}\acute{A}\delta\acute{o}\acute{a}$   $g\acute{o}\acute{a}\acute{A}\acute{g}$   $\check{G}\mathcal{D}\mathcal{Z}\acute{o}\acute{A}\acute{a}$   $\mathcal{Z}\mathcal{D}\mathcal{Z}\mathbb{Q}$   $\ddot{O}\acute{A}\mathbb{Q}\acute{k}$   $\acute{U}$   $\acute{a}\acute{A}\acute{I}\mathbb{Q}\acute{e}\acute{r}\acute{a}$   $g\acute{A}\mathcal{D}\mathcal{Z}\acute{g}$   $\text{d}\eta$   $\check{G}\mathbb{H}\acute{E}\acute{A}\acute{O}\acute{o}\acute{a}$   $\mathfrak{t}\acute{A}\theta\mathfrak{p}$   $\acute{A}\acute{E}\acute{H}\acute{a}$  . $\acute{A}\mathbb{Q}\acute{o}$   $\mathbb{U}\acute{Y}\acute{E}\acute{t}\acute{a}$   $\check{Z}$   $\acute{o}\acute{A}\mathcal{Q}\eta\mathfrak{+}\acute{a}$   
 $g\acute{o}\acute{a}\acute{A}\acute{g}$   $\check{G}\mathcal{D}\mathcal{Z}\acute{o}\acute{A}\acute{a}$   $\acute{A}\acute{E}\eta\acute{O}\acute{t}\acute{a}$   $\acute{A}\mathfrak{+}\mathcal{Q}\eta$   $\mathcal{P}\theta\mathbb{Q}\mathcal{G}$   $\ddot{O}\acute{A}\mathbb{Q}\acute{k}$   $\acute{U}\check{G}\mathbb{H}\acute{E}\acute{A}\acute{O}\acute{o}\acute{a}$   $\mathfrak{t}\acute{A}\theta\mathfrak{A}\acute{k}$  . $\mathbb{E}\mathcal{E}\mathcal{G}\acute{U}\mathbb{Q}\acute{o}\acute{a}$   $\acute{U}\eta$   $\acute{a}\mathcal{Z}\eta$   $\mathbb{I}\acute{e}$  15  $\check{G}\mathcal{Z}\acute{A}\acute{E}\eta$   $\acute{A}\acute{E}\mathbb{H}\acute{O}\acute{E}\acute{o}$   $\acute{A}\acute{E}\eta\acute{O}\acute{t}\acute{a}$   $\ddot{O}\acute{A}\acute{k}$   $\mathcal{Z}\eta$   
 $\acute{U}\acute{U}\acute{U}$   $\ddot{O}\mathbb{H}\acute{A}\acute{A}$  . $\mathbb{E}\acute{A}\acute{e}\acute{e}\acute{A}$  10  $g\acute{A}\eta$   $\circ\check{y}$  105  $g\acute{o}\acute{a}\acute{A}\acute{g}$   $\check{G}\mathcal{D}\mathcal{Z}\acute{o}\acute{A}\acute{a}$   $\text{d}\eta$   $\acute{A}\acute{E}\acute{k}\acute{s}$   $\dot{U}_{TS}$   $\acute{o}z\mathfrak{+}\acute{A}\acute{Y}\acute{E}\acute{t}\acute{a}/\ddot{O}\dot{m}\acute{o}z\acute{A}Y\acute{E}\ddot{o}\ddot{a}$   $\ddot{R}\acute{p}$   $\acute{o}z\acute{Y}\mathbb{H}\eta$   $\acute{a}\acute{A}\eta$   $\acute{U}\check{G}\mathcal{Z}\acute{A}\delta\acute{o}\acute{a}$   
 $\text{d}\eta$   $g\acute{A}\acute{I}$   $\check{A}\check{Z}\acute{o}\acute{U}$   $\acute{U}\check{G}\acute{E}\acute{E}\acute{A}\acute{A}\acute{o}\acute{a}$   $\check{G}\mathbb{H}\acute{O}\acute{G}\acute{o}\acute{a}$   $\ddot{O}\acute{A}\mathcal{Z}\mathbb{Q}\acute{e}\acute{A}\acute{a}$   $\acute{U}\acute{A}$   $\acute{o}z\acute{Y}\mathfrak{+}\acute{a}$   $\acute{A}\acute{a}$   $\acute{A}\mathbb{X}\acute{E}\acute{Y}\mathcal{Z}$   $\ddot{O}\acute{O}\mathbb{H}\mathbb{Q}\acute{E}\acute{A}$   $\check{G}\mathbb{H}\acute{O}\acute{a}$   $\check{G}\eta\acute{U}$   $J\mathcal{Z}\acute{O}\acute{k}$   $\mathfrak{r}$  . $\acute{o}\acute{A}\mathbb{T}\acute{A}\acute{o}\acute{a}$   $\acute{o}z\acute{r}$   $\check{Z}$   $\acute{a}\acute{A}\acute{I}\mathbb{Q}\acute{e}\acute{r}\acute{a}$   
 .B  $\acute{o}z\acute{Y}\mathfrak{+}\acute{a}$   $\acute{A}\acute{a}$   $\acute{A}\mathbb{X}\acute{E}\acute{Y}\mathcal{Z}$   $\ddot{O}\acute{O}\mathbb{H}\mathbb{Q}\acute{E}\acute{A}$   $\mathbb{U}\theta\mathbb{Q}\acute{o}\acute{a}$   $\check{G}\mathbb{H}\acute{O}\acute{G}\acute{o}\acute{a}$

$\check{G}\acute{g}\acute{A}\acute{I}\acute{A}\acute{o}\acute{a}$   $\text{d}\eta$   $\ddot{O}\eta$  10  $\acute{A}\acute{A}\mathbb{H}\acute{A}\mathcal{S}$   $\acute{U}\check{G}\acute{I}\acute{A}\acute{A}$   $\acute{U}\acute{o}\acute{A}\eta$   $\ddot{O}\eta$  20  $\check{Z}$   $\check{h}$  2.0  $\check{Z}\acute{A}\acute{A}$  :Mercapto compounds  $\mathcal{Z}\mathbb{Q}\acute{a}\acute{I}\acute{o}\mathcal{K}\acute{t}\acute{a}$   $\check{g}\acute{A}\mathcal{G}\acute{O}\acute{A}\eta$   
 $\check{g}\acute{A}\mathbb{H}\acute{E}\mathbb{H}\acute{O}\mathbb{Q}\acute{o}\acute{a}$   $\mathcal{P}\acute{A}\theta\mathcal{S}$   $\acute{o}\acute{A}\mathcal{Q}\eta\mathfrak{+}\acute{a}$   $g\acute{A}\acute{A}\eta$   $J\mathcal{S}\acute{A}$   $\check{G}\acute{E}\acute{Y}\acute{t}\acute{H}\acute{o}\acute{a}$   $\acute{A}\acute{A}\check{H}\acute{k}$  . $\acute{A}\acute{H}\acute{I}\acute{t}\acute{o}$  TS  $\acute{A}\acute{I}\acute{A}\acute{o}\acute{a}$   $\check{y}\acute{a}\acute{A}\acute{A}\mathbb{Q}\acute{e}\acute{A}\acute{a}$   $\acute{U}\mathfrak{v}\mathfrak{s}$  ( $\acute{o}/\acute{o}\mathcal{Z}\eta$  0.005)  $\acute{A}\mathcal{Z}\acute{E}\acute{o}\acute{a}$   $\mathcal{Z}\eta$   
 .vs ( $\acute{o}/\acute{o}\mathcal{Z}\eta$  0.005)  $\acute{A}\mathcal{Z}\acute{E}\acute{o}\acute{a}$   $\text{d}\eta$   $\ddot{O}\eta$  0.1  $\text{d}\eta$   $\check{A}\check{Z}\acute{o}\acute{U}$   $\check{y}\acute{A}\acute{Y}\acute{A}$   $\mathfrak{r}$  . $\check{G}\acute{A}\acute{o}\mathcal{S}\acute{A}\acute{R}\acute{o}\acute{a}$

$\ddot{O}\eta$  100  $\mathcal{P}\acute{Y}\mathcal{Z}$   $\acute{o}z\acute{O}\mathbb{H}\acute{v}\acute{o}$   $R$   $\acute{o}z\mathfrak{+}\acute{A}\acute{Y}\acute{E}\acute{t}\acute{a}$   $\text{d}\eta$   $\check{G}\acute{E}\mathcal{Z}\acute{A}\acute{o}$   $\check{G}\acute{E}\acute{t}\acute{o}$   $\check{Z}$   $\acute{U}\check{G}\acute{E}\acute{U}\mathcal{Z}\check{G}\acute{R}\eta$   $\check{G}\mathfrak{p}\mathcal{S}\acute{a}\mathcal{Z}\eta$   $\acute{U}\check{H}$  10  $\check{G}\acute{a}\acute{A}\acute{e}$   $\acute{a}\acute{A}\acute{O}\acute{A}$  :Assay  $\check{G}\acute{E}\acute{A}\acute{O}\acute{t}\acute{a}$   
 $\mathbb{I}\acute{e}$  1  $\check{G}\mathfrak{+}\acute{A}\acute{A}\acute{Z}\acute{a}$   $\check{G}\acute{O}\acute{G}\acute{U}$   $\mathbb{E}\mathcal{Z}$   $\acute{o}z\acute{Y}\mathfrak{+}\acute{a}$   $\acute{A}\acute{O}\acute{E}$   $\acute{I}\acute{A}\mathbb{Q}$   $\acute{a}\acute{A}\acute{O}\acute{A}$  .R  $\acute{o}z\mathfrak{+}\acute{A}\acute{Y}\acute{E}\acute{t}\acute{a}$   $\ddot{O}\eta$  100  $\mathcal{P}\acute{Y}\mathcal{Z}$   $\acute{o}z\acute{O}\mathbb{H}\acute{v}\acute{o}$   $\acute{o}z\acute{Y}\mathfrak{+}\acute{a}$   $\acute{A}\acute{O}\acute{E}$   $\text{d}\eta$   $\ddot{O}\eta$  10  $\mathcal{Z}\acute{A}\mathcal{E}\mathcal{S}$   
 $\acute{I}\acute{A}\acute{O}\mathbb{Q}\eta\mathfrak{+}\acute{a}$   $\check{G}\acute{t}\acute{E}\acute{e}$   $\check{y}\acute{a}\acute{A}\acute{A}\mathbb{Q}\acute{e}\acute{A}\acute{a}$   $\acute{U}\mathcal{C}_{24}\mathbb{H}_{32}\mathbb{O}_{4}\mathcal{S}$   $\text{d}\eta$   $\mathcal{P}\mathcal{Z}\mathbb{Q}\mathfrak{+}\acute{a}$   $\acute{A}\acute{E}\acute{E}\mathcal{Z}\mathcal{S}$   $\acute{U}\mathbb{M}\mathcal{G}\acute{A}\acute{O}\acute{k}$   $\acute{A}\mathbb{Q}\eta\mathcal{Z}\mathfrak{+}\acute{A}\mathfrak{p}$  238  $\check{G}\mathcal{D}\mathcal{Z}\mathcal{Z}\acute{t}\acute{a}$   $\acute{o}z\acute{U}\acute{a}$   $\mathbb{U}\mathfrak{t}\mathbb{T}\mathcal{Z}\mathfrak{+}\acute{a}$   $\mathcal{Q}\acute{A}\acute{g}$   $\acute{A}\acute{E}\mathcal{Z}$   
 .( $A_{1\text{cm}}^{1\%} = 470$ ) 47

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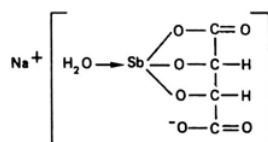
# STIBII NATRII TARTRAS

Antimony sodium tartrate  $\mathcal{D}\acute{Z}\mathbb{N}\mathcal{J}\mathcal{D}\acute{Z}\mathbb{H}\acute{U}\acute{E}$   $\mathbb{N}\acute{J}\mathfrak{+}\mathbb{Q}\mathbb{N}\mathcal{J}\mathbb{T}$   $\mathbb{I}\acute{E}\mathfrak{p}\mathbb{U}\mathfrak{+}\mathfrak{U}$

C<sub>4</sub>H<sub>4</sub>NaO<sub>7</sub>Sb :Molecular formula

308.8 :Relative molecular mass

:Graphic formula



:Chemical name

Sodium aqua[tartrato(4<sup>-</sup>)-O<sup>1</sup>,O<sup>2</sup>,O<sup>3</sup>]antimoniate(III); CAS Reg.

No. 34521-09-0.

.GħuāĀōā CĀ3 ŪŋĀĀŌĶ RĒū āzĤuĒŋ sĴ JzŶōā ĠĤĀ3 ĠzĀĀĭ scale (ōzĬē) ZĭĀĀġ :Description

.TS (ō/h750~) ōzŋĀĴĬqā Ž ŋĒŶt3 āāśā f ŪōĀtĵ dŋ ōĀDZ 1.5 Ž āāśā :Solubility

.ġĀĒēōĀŶŶĠōā āĀRŋ ōāśā :Category

.ōzRōā dŋ zt3 jĴ ŪŷĀŌġūā ĠŌŶ8ŋ ĠĬśĀġ Ž JztĒŋŋjā ŷzĬāzō ġĀĀūĀū ŚĀ3 jĴ Āz :Storage  
ĀĀ3 jĴŌĀŌōā ŌŋĀŌ.ĠĠūĀŌĒŋ ġĀĀŋ JztĒŋŋjā ŷzĬāzō ġĀĀūĀū :Additional information  
.ĠĤĀĬĀtĵ ġŋĀΣĭ ġĀDZŋ Ž tĀēŪ ŌŌĀŌā ĠĠŌĬ ŪōzRōā āĀē8 zŋŋġ ŪĀūĀā zDzŶŋ ċŶĀĤĶ

#### REQUIREMENTS

fς %98.0 d3 ŌŌ f Āŋ zŶ3 JztĒŋŋjā ŷzĬāzō ġĀĀūĀū BzŌ3 :General requirement  
.ĠĀĀŌĭ ġĀtĵ BŪ tŶDZĀŌā ĠzĒĒ ŪC<sub>4</sub>H<sub>4</sub>NaO<sub>7</sub>Sb dŋ %101.0 d3 ĀĬĀĬ

:Identity tests

General ĠŋĀĤōā 8āĤŌēfā ġĀĠŌŋĭ jĀzĀ3 ĶŌ 8zōzŋ zĒ Ātō ŷzĬāzō ŌDZj ŌŋŌŋfā ĀĀ3 :A  
ĀĒŌĀŋ ōzŶĬ ĀR3 ŪB ŋĀŌŋfā ŷāĀĀŋ āāŌ .ġĀĒŶ ġŶ3ĀĬ ŪŪĬ Ū(123 ĠĤĀŌŋ Ū1 ĀŶŌĭ) "identification tests  
.Ōŋŋŋ 10

ōzŶĬ dŋ Ōŋ 1.0 8ĀRĬ TS (ō/h70~) Ōŋŋŋŋŋŋŋ RĶ ōzŶĬ dŋ Ōŋ 1.0 Ž Ĥ 0.05 āŌŌ :B  
ĀĒŋŋŋŋ ōzŶĬ TS ŷzŋŋjā ĀĀĀē ōzŶĬ Ž Ġāśā ŪĠŋŋŋā - ōĀŋ ĠĀēŋ jŋŋ ŪTS kDZŋŋŋ ĀĀĀē





$\bar{O}l\acute{o}z\bar{i}\bar{o}\acute{s}\acute{o}\acute{A}E\bar{E}\bar{t}\bar{i}$   $\bar{R}\bar{e}\bar{p}$   $\acute{o}z\bar{i}\bar{T}$   $\bar{d}\bar{n}$   $\bar{O}\bar{n}$   $10$   $\check{Z}$   $\check{h}$   $1.0$   $\bar{A}\bar{E}\bar{O}\bar{A}\bar{q}\bar{e}$   $\acute{o}z\bar{i}\bar{T}$   $J\bar{z}\bar{O}\bar{A}$  :Solution in acid  $\bar{R}\bar{e}\bar{t}\bar{s}\bar{a}$   $\check{Z}$   $\acute{o}z\bar{i}\bar{+}\bar{a}$   
 $\bar{.T}\bar{S}\bar{2}$   $\bar{B}\bar{o}\bar{H}\bar{E}\bar{t}\bar{i}$   $\bar{y}\bar{z}\bar{t}\bar{8}\bar{o}\bar{a}$   $\bar{d}\bar{n}$   $\bar{G}\bar{r}\bar{e}\bar{s}\bar{i}$   $\bar{j}\bar{k}\bar{A}\bar{p}$  opalescence  $\bar{y}\bar{z}\bar{t}\bar{d}$   $\bar{B}\bar{i}$   $J\bar{z}\bar{O}\bar{A}$   $\bar{r}$   $\bar{s}\bar{i}$   $\bar{M}\bar{e}\bar{z}\bar{i}\bar{o}$  vs  $(\acute{o}/\acute{o}z\bar{n})$   
 $\bar{.h}/\bar{n}\bar{i}\bar{n}$   $1.0$   $\bar{d}\bar{n}$   $\bar{A}\bar{j}\bar{O}\bar{i}$   $\bar{E}\bar{E}\bar{o}$  :Sulfated ash  $\bar{K}\bar{A}\bar{Y}\bar{E}\bar{t}\bar{a}$   $\acute{a}\bar{i}\bar{n}\bar{A}\bar{o}\bar{a}$   
 $\bar{d}\bar{n}$   $\bar{A}\bar{j}\bar{O}\bar{i}$   $\bar{A}\bar{E}\bar{O}\bar{A}\bar{o}\bar{a}$   $J\bar{z}\bar{O}\bar{A}$   $\bar{r}$   $\bar{U}\bar{o}\bar{y}$   $105$   $\bar{g}\bar{o}\bar{i}\bar{A}\bar{g}$   $\bar{G}\bar{D}\bar{Z}\bar{o}\bar{A}\bar{z}$   $\bar{K}\bar{A}\bar{j}\bar{o}\bar{a}$   $\bar{j}\bar{a}\bar{z}\bar{o}\bar{a}$   $\bar{z}\bar{o}\bar{0}\bar{g}$   $\bar{Z}\bar{A}\bar{z}$  :Loss on drying  $\bar{Z}\bar{E}\bar{A}\bar{D}\bar{z}\bar{o}\bar{i}\bar{A}\bar{z}$   $\bar{A}\bar{E}\bar{O}\bar{A}\bar{o}\bar{a}$   
 $\bar{.h}/\bar{n}\bar{i}\bar{n}$   $5.0$

Ū1 ÁVÖā) "Nitrite titration KĀQāōā gĀĹHñ" jĀzA3 KŌ 8zòzn zĒ Ātō ĞĒĀŌḡā ṖĀΘ :Assay ĞĒĀŌḡā  
 ŌłóçÏðşóĒĒTĀ Rēḑ dñ Ōñ 20 dñ jĀĹñ Ž GāōŌñ ŪĜēūzĠRñ Çqşàzn Ūñ 0.5 GāāĒ ṽāĒÁQēĹā .(143 ĞHuĀŌōā  
 0.1) yzĹázŌōā KĀQāp dñ Ōñ 1 Ōō .vs (ò/òzn 0.1) yzĹázŌōā KĀQāp ĀĀĹHñ ŪōĹñ Ōñ 50s TS (ò/h250~)  
 .C<sub>8</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub>S dñ ññ 21.42 ùžĀŌĹ vs (ò/òzn

333

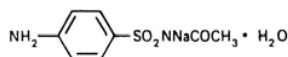
## SULFACETAMIDUM NATRICUM

Sulfacetamide sodium  $\text{NH}_2\text{C}_6\text{H}_4\text{SO}_2\text{NNaCOCH}_3 \cdot \text{H}_2\text{O}$

$\text{C}_8\text{H}_9\text{N}_2\text{NaO}_3\text{S} \cdot \text{H}_2\text{O}$  :Molecular formula

254.2 :Relative molecular mass

:Graphic formula



:Chemical name

*N*-Sulfanilylacetamide monosodium salt monohydrate; *N*-[(4-aminophenyl)sulfonyl]acetamide monosodium salt monohydrate; CAS Reg. No. 6209-17-2 (monohydrate).

.Sulfacylum-natrium  $\text{NH}_2\text{C}_6\text{H}_4\text{SO}_2\text{NNaCOCH}_3 \cdot \text{H}_2\text{O}$  :Other name

. $\text{NH}_2\text{C}_6\text{H}_4\text{SO}_2\text{NNaCOCH}_3 \cdot \text{H}_2\text{O}$   $\text{NH}_2\text{C}_6\text{H}_4\text{SO}_2\text{NNaCOCH}_3 \cdot \text{H}_2\text{O}$  :Description  
āīšā f ūts (ō/h750~) ōzāīāqā ž jāīšōōā ġēhūī ūōāīā dñ ōādz 1.5 ž āīšā :Solubility

.R Kōjā ž fš R yōzšzōzīōā ž īēyīz

.Antiinfective  $\text{NH}_2\text{C}_6\text{H}_4\text{SO}_2\text{NNaCOCH}_3 \cdot \text{H}_2\text{O}$  :Category

.ōzīōā dñ ġīīā ūōēēdz ġōīy8ñ ġāīšā ž yzāīāzōōā ēēñāqēēāīāīē šāz jū ēz :Storage  
jāōēōōā yzāīāzōōā ēēñāqēēāīāīē ōōēōā ūōzīōā ā ēē8ē zōqg :Additional information

.ġāīāīāīā gōāāīā ž ādzōā ž īāēū ūōāqōā ġōōāīā ūēūāōā zdzīō ēīāīē ēāz

### REQUIREMENTS

dž ēāāā fš %99.0 dž ūōā f āñ zīz yzāīāzōōā ēēñāqēēāīāīē Bzqz :General requirement

.ġēāīāīāīā gāīāīā Bū īzdzāōāīā ġāzēīā ūC<sub>8</sub>H<sub>9</sub>N<sub>2</sub>NaO<sub>3</sub>S dñ %101.0

:Identity tests

.Dš Cš B ġāīāqōñēīā šū cāāāñ A ōāqōñēīā ēēñāqēēāīāīē dōē •

.ōāīēēā ġāīēō jōā ūts (ō/h300) ūōēēējā īē ōzīā dñ ūñ 2 8 āīāīā ōāñ ūñ 10 ž ħ 1 āāōā :A

ātō ġāāōāīā ġōāīāīā zīz ōāqōñēīā ēēñāqēēāīāīē .°y 105 gōāāīā ġdzōēēā Zāθš ūāōāqōā ōāīāīā ūēēēē ūēīāñ zīz ġāīēāīāīā zēθ

[illegible]





[illegible]

Ú1 ÁYŎã) "Nitrite titration ĶĹĀQĤã gĀĹĀĤĤĤ" jĭzĀĤĤ ĶŎ 8zðzĤ zĹ ĤĤ ĤĤĤ ĤĤĤĤĤ PĀŎ :Assay ĤĤĤĤĤ  
 ŬTS (ò/Ĥ70~) ŎĹóZŭðšŎĤĤ ĤĤ ĤĤ ŎĤ50 Ž āĀŎĤ ŬĤĤzĤĤĤ ĤĤzĤĤ ŬĤĤĤĤ 0.5 ŭĤĤĤĤĤ Ŭ(143 ĤĤĤĤĤ  
 ĤĤĤ 27.83 ŭzĤŎĤ vs (ò/òzĤ 0.1) ŭzĤĤĤĤ ĤĤĤĤ ĤĤ ŐŎ ĤĤĤ ŐŎ .vs (ò/òzĤ 0.1) ŭzĤĤĤĤ ĤĤĤĤ ĤĤĤĤ  
 .C<sub>12</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub>S ĤĤ

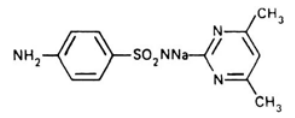
# SULFADIMIDINUM NATRICUM

Sulfadimidine sodium !NĭŭNĭTĤĤ DžĭŭDžĭŭF2+2

C<sub>12</sub>H<sub>13</sub>N<sub>4</sub>NaO<sub>2</sub>S :Molecular formula ĤĤĤĤĤĤ ĤĤĤĤĤ

300.3 :Relative molecular mass ĤĤĤĤĤĤ ĤĤĤĤĤĤ ĤĤĤĤĤĤ

:Graphic formula ĤĤĤĤĤĤĤ ĤĤĤĤĤĤ



:Chemical name ĤĤĤĤĤĤĤ ĤĤĤĤĤ

N<sup>1</sup>-(4,6-Dimethyl-2-pyrimidinyl)sulfanilamide monosodium  
 salt; 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)benzenesulfonamide monosodium  
 salt; CAS Reg. No. 1981-58-4.

.ĤĤĤĤĤ ĤĤĤĤĤĤ ĤĤĤ ĤĤ ĤĤĤĤĤ ĤĤĤĤ ĤĤ ĤĤĤĤĤ ĤĤĤĤ ĤĤĤĤĤ :Description ŽðzĤĤ

.TS (ò/Ĥ750~) òzĤĤĤĤĤ ĤĤ ĤĤĤĤ 60š òĤĤĤ ĤĤ ŐĤZ 2.5 Ž āĤšĤ :Solubility ĤĤĤĤĤĤĤ

.ĤĤĤĤĤĤ āĤĤĤĤ ŐĤšĤ :Category ĤĤĤĤĤ

.ðzĤĤĤ ĤĤ ĤĤĤ ĤĤĤĤĤ ĤĤĤĤĤ ĤĤĤĤĤ Ž ŭzĤĤĤĤ ĤĤĤĤĤĤĤ ŠĤĤ ĤĤ ĤĤ :Storage ĤĤĤĤĤĤ

ŬĤĤĤĤĤ zDzŭŎ ĤĤĤĤ ĤĤĤ ĤĤĤĤĤĤ ŭzĤĤĤĤĤ ĤĤĤĤĤĤĤĤ ŐŎĤĤĤ :Additional information ĤĤĤĤĤĤ ĤĤĤĤĤĤ  
 .ĤĤĤĤĤĤĤ gŏĤĤĤĤ ĤĤĤĤĤĤ Ž ĤĤĤĤ ŐŎĤĤĤĤ ĤĤĤĤĤ ŬðzĤĤĤ āĤĤĤ ĤĤĤĤĤ

## REQUIREMENTS ĤĤĤĤĤĤĤ

ĤĤ ĤĤĤ ĤĤ %98.0 ĤĤ ŐŎĤ ĤĤ ĤĤĤ ŭzĤĤĤĤĤ ĤĤĤĤĤĤĤĤ BzŬĤ :General requirement ŭĤĤĤĤ ĤĤĤĤĤĤ  
 .ĤĤĤĤĤĤ gĤĤĤĤ BŬ ĤĤĤĤĤĤĤ ĤĤĤĤĤ ŬC<sub>12</sub>H<sub>13</sub>N<sub>4</sub>NaO<sub>2</sub>S ĤĤ %101.0

:Identity tests ĤĤĤĤĤĤĤ ĤĤĤĤĤĤĤ



( $\dot{o}/\check{h}260\sim$ )  $\acute{A}\acute{e}\rho\zeta\eta\jmath\grave{a}$   $\text{d}\eta$   $\acute{A}\acute{e}\acute{g}\acute{a}\acute{s}$   $\text{I}\text{D}\text{z}\acute{g}\acute{s}$  TS ( $\dot{o}/\check{h}750\sim$ )  $\acute{o}\zeta\phi\acute{A}\acute{z}\eta\text{q}\grave{a}$   $\text{d}\eta$   $\check{y}\text{z}\text{D}\text{z}\acute{g}$  9  $\text{d}\eta$   $\jmath\grave{A}\grave{A}\eta$   $\check{Z}$   $\kappa\acute{o}\text{z}\check{\text{V}}\text{T}$   $\text{d}\eta$   $\acute{A}\acute{q}\acute{o}\acute{s}\acute{A}\acute{O}\eta$   $\acute{A}\acute{q}\acute{o}$   $\text{U}\check{\text{V}}\text{E}\text{t}\grave{a}$   $\check{Z}$  RS  $\acute{A}\acute{e}\eta\check{\text{Y}}\text{E}\phi\acute{A}\check{\text{V}}\acute{E}\acute{o}\acute{a}$   $\acute{o}\text{z}\check{\text{V}}\text{T}$   $\text{d}\eta$   $\Pi\check{\text{Y}}\eta$  0.050 (B)s  $\acute{A}\acute{q}\acute{o}$   $\text{U}\check{\text{V}}\text{E}\text{t}\grave{a}$   $\check{Z}$   $\acute{o}\acute{A}\acute{Q}\acute{o}\grave{\text{n}}\text{r}\acute{a}$   $\acute{g}\acute{a}\acute{A}\eta$   $\text{d}\eta$   $\Pi\check{\text{Y}}\eta$  10 (A) Bz $\check{Z}$  :TS  $\text{d}\eta$   $\check{y}\text{z}\text{D}\text{z}\acute{g}$  9 8  $\acute{A}\acute{R}\acute{A}$   $\acute{U}\text{TS}$  ( $\dot{o}/\check{h}260\sim$ )  $\acute{A}\acute{e}\rho\zeta\eta\jmath\grave{a}$   $\text{d}\eta$   $\check{\text{C}}\check{\text{Y}}\text{E}\check{\text{Y}}\text{e}$   $\check{\text{G}}\text{E}\text{t}\check{\text{O}}$   $\check{Z}$   $\acute{o}\acute{A}\acute{Q}\acute{o}\grave{\text{n}}\text{r}\acute{a}$   $\acute{g}\acute{a}\acute{A}\eta$   $\text{r}\acute{s}\check{\text{U}}$   $\check{a}\check{a}\acute{O}\check{\text{k}}$   $\acute{U}\text{A}$   $\acute{o}\text{z}\check{\text{V}}\text{t}\grave{a}$   $\text{K}\check{\text{R}}\text{H}\text{U}\acute{Q}\acute{o}$ )  $\text{d}\eta$   $\check{\text{G}}\text{H}\text{U}\acute{A}\acute{O}\acute{o}\acute{a}$   $\text{t}\acute{A}\text{O}\phi$   $\acute{A}\acute{E}\check{\text{H}}\acute{a}$  .( $\acute{A}\acute{e}\rho\zeta\eta\jmath\grave{a}/\acute{o}\zeta\phi\acute{A}\acute{z}\eta\text{q}\grave{a}$   $\jmath\grave{A}\grave{A}\eta$   $\check{y}\check{a}\check{\text{Y}}\acute{o}\acute{a}$   $\text{I}\text{D}\text{z}\Sigma\acute{a}$  B $\acute{U}$   $\acute{O}\acute{a}\acute{A}\text{A}\text{Z}$   $\text{Z}\acute{A}\check{\text{Z}}\text{S}$   $\acute{U}\text{TS}$  ( $\dot{o}/\check{h}750\sim$ )  $\acute{o}\zeta\phi\acute{A}\acute{z}\eta\text{q}\grave{a}$  .TS3  $\acute{A}\acute{E}\text{L}\acute{A}\acute{E}\acute{o}\acute{a}\acute{A}\text{O}\acute{a}$   $\text{z}\acute{A}\text{E}\eta\check{\text{U}}$   $\acute{O}\check{\text{E}}\check{\text{Z}}\text{E}\eta$   $\text{U}\acute{a}\acute{A}\acute{q}$ -4  $\acute{o}\text{z}\check{\text{V}}\text{H}\eta$   $\acute{a}\acute{A}\check{\text{S}}$   $\text{E}\acute{a}\acute{e}\acute{a}$  10  $\text{g}\acute{A}\text{E}\eta$   $\circ\check{\text{Y}}$  105  $\text{g}\acute{o}\acute{a}\acute{A}\acute{g}$   $\check{\text{C}}\text{D}\text{Z}\acute{o}\acute{A}\acute{e}$   $\text{d}\acute{A}\acute{E}\check{\text{k}}$   $\acute{U}\check{a}\check{a}\acute{A}\acute{I}\text{Q}\check{\text{e}}\text{r}\acute{a}$   $\text{g}\acute{A}\text{D}\text{z}\acute{g}$   $\acute{A}\text{X}\text{E}\check{\text{Y}}\text{Z}$   $\acute{O}\acute{O}\text{H}\text{U}\text{Q}\acute{E}\text{A}$   $\text{U}\text{O}\acute{Q}\acute{o}\acute{a}$   $\check{\text{G}}\check{\text{H}}\acute{O}\acute{G}\acute{o}\acute{a}$   $\text{d}\eta$   $\text{g}\acute{A}\check{\text{I}}$   $\check{A}\check{z}\check{\text{O}}\check{\text{U}}$   $\acute{U}\check{\text{G}}\text{E}\acute{E}\text{a}\acute{A}\acute{o}\acute{a}$   $\check{\text{G}}\check{\text{H}}\acute{O}\acute{G}\acute{o}\acute{a}$   $\acute{o}\acute{A}\check{\text{Z}}\text{Q}\check{\text{e}}\acute{A}\acute{a}$   $\acute{U}\text{A}$   $\acute{o}\text{z}\check{\text{V}}\text{t}\grave{a}$   $\acute{A}\text{X}\text{E}\check{\text{Y}}\text{Z}$   $\acute{O}\acute{O}\text{H}\text{U}\text{Q}\acute{E}\text{A}$   $\check{\text{G}}\check{\text{H}}\acute{O}\acute{a}$   $\check{\text{G}}\acute{A}\check{\text{U}}$   $\text{J}\text{z}\acute{O}\check{\text{k}}$   $\text{r}$  .B  $\acute{o}\text{z}\check{\text{V}}\text{t}\grave{a}$   $\acute{A}\acute{a}$

$\acute{U}\acute{1}\acute{A}\acute{E}\check{\text{Y}}\acute{O}\acute{a}$ ) "Nitrite titration  $\check{\text{K}}\check{\text{L}}\acute{A}\acute{Q}\acute{A}\acute{o}\acute{a}$   $\text{g}\acute{A}\acute{A}\check{\text{H}}\eta$ "  $\text{J}\acute{a}\text{z}\acute{A}\check{\text{H}}\acute{o}\acute{a}$   $\check{\text{K}}\text{O}$  8  $\text{z}\acute{o}\text{z}\eta$   $\text{z}\text{L}$   $\acute{A}\eta$   $\acute{A}\acute{E}\text{U}\check{\text{U}}$   $\check{\text{G}}\acute{E}\text{A}\acute{A}\acute{O}\text{t}\grave{a}$   $\text{?}\acute{A}\text{O}$  :Assay  $\check{\text{G}}\acute{E}\text{A}\acute{A}\acute{O}\text{t}\grave{a}$   $\check{\text{R}}\text{p}$   $\text{d}\eta$   $\acute{O}\eta$  10s  $\acute{o}\acute{A}\eta$   $\acute{O}\eta$  75  $\text{d}\eta$   $\jmath\grave{A}\grave{A}\eta$   $\check{Z}$   $\check{a}\check{a}\acute{O}\check{\text{k}}$   $\acute{U}\acute{\text{C}}\text{E}\check{\text{U}}\text{z}\check{\text{G}}\check{\text{R}}\eta$   $\check{\text{C}}\text{Q}\check{\text{S}}\check{a}\text{z}\eta$   $\acute{U}\check{\text{M}}\text{G}\acute{A}\acute{A}\acute{O}\check{\text{k}}$  0.5  $\check{y}\acute{a}\acute{A}\acute{Q}\check{\text{e}}\acute{A}\acute{a}$   $\acute{U}$ (143  $\check{\text{C}}\text{H}\acute{A}\acute{O}\acute{o}\acute{a}$   $\check{\text{K}}\check{\text{L}}\acute{A}\text{Q}\phi$   $\acute{o}\text{z}\check{\text{V}}\text{T}$   $\text{d}\eta$   $\acute{A}\acute{q}\acute{o}$   $\text{U}\check{\text{V}}\text{E}\eta$  1  $\acute{O}\check{\text{O}}$  .vs ( $\dot{o}/\acute{o}\text{z}\eta$  0.1)  $\check{y}\text{z}\acute{A}\acute{z}\acute{O}\acute{o}\acute{a}$   $\check{\text{K}}\check{\text{L}}\acute{A}\text{Q}\acute{A}\acute{a}$   $\acute{A}\acute{A}\check{\text{H}}\text{I}\text{S}$   $\acute{U}\text{TS}$  ( $\dot{o}/\check{h}420\sim$ )  $\acute{O}\acute{I}\acute{o}\text{z}\check{\text{V}}\check{\text{O}}\check{\text{S}}\acute{o}\acute{A}\text{E}\text{T}\acute{a}$  . $\text{C}_{12}\text{H}_{13}\text{N}_4\text{NaO}_2\text{S}$   $\text{d}\eta$   $\Pi\check{\text{I}}\eta$  30.03  $\acute{U}\text{z}\acute{A}\acute{O}\text{A}$  vs ( $\dot{o}/\acute{o}\text{z}\eta$  0.1)  $\check{y}\text{z}\acute{A}\acute{z}\acute{O}\acute{o}\acute{a}$

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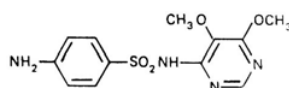
## SULFADOXINUM

**Sulfadoxine** D $\check{\text{Z}}\check{\text{I}}\text{z}$   $\text{I}\text{N}\eta\text{F}\text{Z}\text{t}\text{z}$

$\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$  :Molecular formula  $\check{\text{G}}\acute{E}\acute{A}\acute{A}\text{z}\acute{a}$   $\check{\text{G}}\text{O}\text{E}\acute{O}\acute{o}\acute{a}$

310.3 :Relative molecular mass  $\check{\text{G}}\text{E}\text{G}\acute{E}\acute{A}\acute{o}\acute{a}$   $\check{\text{G}}\acute{E}\acute{A}\acute{A}\text{z}\acute{a}$   $\check{\text{C}}\check{\text{Y}}\text{Q}\acute{O}\acute{o}\acute{a}$

:Graphic formula  $\check{\text{G}}\text{E}\phi\acute{A}\text{E}\text{G}\text{t}\acute{a}$   $\check{\text{G}}\text{O}\text{E}\acute{O}\acute{o}\acute{a}$



:Chemical name  $\text{U}\acute{a}\acute{A}\text{E}\text{t}\text{E}\acute{O}\acute{o}\acute{a}$   $\text{I}\check{\text{e}}\text{r}\acute{a}$

*N*<sup>1</sup>-(5,6-Dimethoxy-4-pyrimidinyl)sulfanilamide; 4-amino-*N*-(5,6-dimethoxy-4-pyrimidinyl)benzenesulfonamide; CAS Reg. No. 2447-57-6.

$\check{\text{C}}\text{H}\text{U}\acute{a}\acute{A}\acute{o}\acute{a}$   $\text{C}\acute{A}\text{Z}$   $\acute{U}\text{U}\text{z}\acute{A}\check{\text{O}}$   $\check{\text{R}}\text{E}\text{a}\check{\text{U}}$   $\text{S}\check{\text{U}}$   $\text{J}\text{z}\check{\text{Y}}\acute{o}\acute{a}$   $\check{\text{R}}\text{E}\text{a}\check{\text{U}}$   $\acute{U}\text{B}\acute{o}\text{z}\check{\text{Y}}\acute{a}$   $\acute{a}\text{z}\text{H}\text{U}\acute{E}\eta$  :Description  $\text{Z}\acute{o}\text{z}\acute{o}\acute{a}$

$\acute{U}\text{R}$   $\acute{o}\zeta\phi\acute{A}\acute{z}\eta\text{q}\grave{a}$  TS ( $\dot{o}/\check{h}750\sim$ )  $\acute{o}\zeta\phi\acute{A}\acute{z}\eta\text{q}\grave{a}$   $\check{Z}$   $\text{J}\acute{A}\check{\text{S}}\acute{O}\acute{o}\acute{a}$   $\check{\text{G}}\text{E}\text{H}\check{\text{U}}\check{\text{I}}$   $\acute{U}\acute{o}\acute{A}\text{t}\grave{a}$   $\check{Z}$   $\check{\text{M}}\acute{A}\text{D}\text{Z}$   $\text{J}\acute{A}\check{\text{S}}\acute{O}\acute{o}\acute{a}$   $\check{\text{G}}\text{E}\text{H}\check{\text{U}}\check{\text{I}}$  :Solubility  $\check{\text{G}}\text{E}\phi\acute{A}\check{\text{S}}\acute{O}\acute{o}\acute{a}$

.R  $\text{K}\acute{Q}\text{J}\check{\text{I}}$   $\check{Z}$   $\check{\text{M}}\text{E}\check{\text{Y}}\text{t}\text{z}$   $\check{a}\check{\text{I}}\check{\text{S}}\acute{a}$   $\text{r}$

. $\acute{A}\acute{I}\acute{O}\check{\text{Y}}\text{t}\check{\text{I}}$   $\acute{a}\acute{A}\check{\text{R}}\eta$   $\acute{o}\acute{a}\acute{S}\acute{a}$  :Category  $\check{\text{G}}\acute{A}\acute{A}\acute{o}\acute{a}$

0.05% in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$  in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$

#### REQUIREMENTS

99.0% in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$  in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$

#### Identity tests

D.5 C.5 B.5  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$  in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$

Spectrophotometry in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$  in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$

0.05% in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$  in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$

0.05% in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$  in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$

0.05% in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$  in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$

0.05% in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$  in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$

0.05% in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$  in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$

0.05% in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$  in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$

0.05% in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$  in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$

0.05% in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$  in the form of  $\text{C}_{12}\text{H}_{14}\text{N}_4\text{O}_4\text{S}$

(53 ĢĦĀŌŏ Ū1 ĀŶŎŏ) "Colour of liquids ŌāzĒŏ Jzŏ" JāzĶ ĶŌ 8zðzŋ  
 .Ĥ/ŋŋ 1.0 dŋ ĀžŏŪ Ēŏŏ :Sulfated ash ĶĀŶĒtā āĤŏŏ  
 dŋ ĀžŏŪ ĀŌĀŏ JzŌŌ Ŕ Ūŏŷ 105 gŏāġ ĢDZŏĒē Ķāžŏŏ Jāzŏŏ Ŕŏŏġ Zāz :Loss on drying ZĒADzŏŏĒē ĀŌĀŏ  
 .Ĥ/ŋŋ 5.0  
 ŷ 70 gŏāġ ĢDZŏĒē R JzāŌŏ ĒĒĒŏŪ ŪāĤŏ dŋ BĤā ŏĤā dŋ Ōŋ 50 Žŋ Ĥ 1.0 dĀĒĒ :Acidity ĢŕzĤΣā  
 ĒĒĒŏŏŏŏŏŏ 7.0 ŏĒĒĒŏŏ BŪ ĢġĤĒŏŏ dŋ Ōŋ 25 ĀĤĤĒ ŪĢŋĀĒ Ūŏŷ 20 ĢDZŏĒē BŪ ĢzĀĒē āĒĒ ŪĒāĒēā 5 gĒŋ ŪĢĀŌĶ  
 .Ōŋ 0.25 dŋ ĀžŏŪ BŪ ĢDZġ ŏĀĒĒ ĶĒŏŏ Ūvs (ŏ/ðzŋ 0.1) ŷzĀzŌŏŏ  
 ĢŌĒēĀŏŏ ĢŌĢŪŏŏ āāĀĬŌŏŏ" JāzĶ ĶŌ 8zðzŋ zĒ Ĥŏŏ ŏĢŌŋŔŏĒē ĒĢŪĒ :Related substances ĢŏĤtā āāzĤā  
 15 dŋ ĶĀŋŲ ĢŶŏŋ gāĤŏŏ R3 ĀŌŶĒĒē ĢŋŶĒ ŷāĒĒŏŏŏ (84 ĢĦĀŌŏ Ū1 ĀŶŎŏ) "Thin-layer chromatography  
 10 ĢĦĀŌŏŏ ŔŶ3 ŪŌĀĤŋ ĒĢŪĒ .ŏĀĤŌŋ ŏzŪŏŏ TS (ŏ/Ĥ17~) ĒŋzŋĶā dŋ ŷzDzġ 3Ų R ŏzŏĶāzĶ-1 dŋ ĤŏDzġ  
 (ŏ/Ĥ260~) ĒŋzŋĶā dŋ ĒġāŲ ĬDzġŲ TS (ŏ/Ĥ750~) ŏzŏĶāĶā dŋ ŷzDzġ 9 dŋ ĶĀŋ Ž ĶŏzŶŲ dŋ ĀŏŲŏŌŋ  
 .Āŏŏ ŪŶŲtā Ž RS ĒĒŶŶŏĀĀŶĒē ŏzŶŲ dŋ ŋŋ 0.050 (B)Ų Āŏŏ ŪŶŲtā Ž ŏĢŌŋŔŏĒē gāĤŋ dŋ ŋŋ 10 (A) BzŽ :TS  
 ŌĒŶŋ ŪāĤŏ-4 ŏzŶĤŋ āĀŲŲ ĒāĒēā 10 gĒŋ ŏŷ 105 gŏāġ ĢDZŏĒē dĀĒĒ Ū āāĀĬŌŏŏŏ gĀDzġ dŋ ĢĦĀŌŏŏ tĀŏŏ ĒĒē  
 ĢĢŌŏŏ dŋ gĒŶĒ ĀžŏŪ ŪĢĒĒēĀŏŏ ĢĢŌŏŏ ŏĀŲŏŏŏ ŪĀ ŏzŶĒē ĀŶŶŲ ŌŌĤŏŪĒ ĢĢŌŏŏ ĢŪ JzŌŏ Ŕ .TS3 ĒĒĒĒēĀŏŏŏ zĒŋŪ  
 .B ŏzŶĒē ĀŶŶŲ ŌŌĤŏŪĒ Ūŏŏŏŏ

Ū1 ĀŶŎŏ) "Nitrite titration ĶĀŏŏŏ gĀĀĤŋ" JāzĤŏŏ ĶŌ 8zðzŋ zĒ Ĥŋ ĒĒŶ ĢĒĀŏŏŏ ŔĀŌ :Assay ĢĒĀŏŏŏ  
 Ŕŏŏ dŋ Ōŋ 10Ų ŏĤŋ Ōŋ 75 dŋ ĶĀŋ Ž āŏŏ ŪĢĒŲŏŲŏŲ ĢŏŲzŋ ŪŪŏĀŏŏ 0.5 ŷāĒĒŏŏŏ Ū(143 ĢĦĀŌŏŏ  
 ĶĀŏŏŏ ŏzŶŲ dŋ Āŏŏ ŪŶŲŏŏ Ōŏŏ .vs (ŏ/ðzŋ 0.1) ŷzĀzŌŏŏ ĶĀŏŏŏ ĀĀĤŋŲ ŪTS (ŏ/Ĥ250~) Ōŏŏŏŏŏŏŏŏŏ  
 .C<sub>12</sub>H<sub>14</sub>N<sub>4</sub>O<sub>4</sub>S dŋ ŋŋ 31.03 ŪzĀŌŏŏ vs (ŏ/ðzŋ 0.1) ŷzĀzŌŏŏŏ

ŏŏŏŏŏŏ

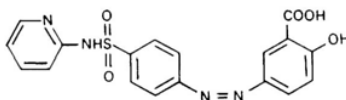
# SULFASALAZINUM

Sulfasalazine DžŔŪŲzŲzŲz

C<sub>18</sub>H<sub>14</sub>N<sub>4</sub>O<sub>5</sub>S :Molecular formula ĢĒĀĀzā ĢŏĒŏŏŏ

398.4 :Relative molecular mass ĢĒĒĒēĒē ĢĒĀĀzā ĢŶŏŏŏŏŏŏ

:Graphic formula ĢĒĒĒĒĒēĒē ĢŏĒŏŏŏŏŏŏ



**:Chemical name**  $\Theta\alpha\lambda\epsilon\tau\epsilon\lambda\omicron\delta\alpha$   $\lambda\epsilon\tau\epsilon$

5-[[p-(2-Pyridyl)sulfamoyl]phenyl]azo]salicylic acid; 2-hydroxy-5-[[4-[(2-pyridinylamino)sulfonyl]phenyl]azo]benzoic acid; CAS Reg. No. 599-79-1.

Salazosulfapyridine  $\Theta\alpha\lambda\epsilon\tau\epsilon\lambda\omicron\delta\alpha$   $\lambda\epsilon\tau\epsilon$  **:Other name**  $\Lambda\eta\tilde{\upsilon}$   $\lambda\epsilon\alpha$

. $\zeta\mu\alpha\delta\alpha\delta\alpha$   $\zeta\epsilon\zeta$   $\tilde{\upsilon}\Theta\mu\alpha\delta\alpha$   $\Theta\tilde{\upsilon}$   $\alpha\theta\lambda\tilde{\iota}$   $\Lambda\alpha\delta\tilde{\iota}$   $\Theta\tilde{\upsilon}$   $\zeta\tilde{\iota}\alpha\epsilon$   $\Lambda\alpha\delta\tilde{\iota}$   $\alpha\zeta\mu\epsilon\eta$  **:Description**  $\zeta\delta\zeta\delta\alpha$

$\delta\zeta\mu\lambda\zeta\lambda\epsilon\tau\epsilon$   $\zeta$   $\delta\epsilon\zeta\zeta$   $\lambda$   $\alpha\delta\delta\alpha$   $\zeta\mu\mu\tilde{\iota}$   $\tilde{\upsilon}\mathcal{R}$   $\tilde{\gamma}\theta\zeta\zeta\theta\zeta\tilde{\iota}\delta\alpha$   $\tilde{\upsilon}\mathcal{R}$   $\mathcal{K}\eta\mathcal{j}\alpha$   $\tilde{\upsilon}\delta\alpha\mathcal{j}$   $\zeta$   $\mu\epsilon\mathcal{j}\zeta$   $\alpha\delta\alpha$   $\mathcal{F}$  **:Solubility**  $\zeta\mu\mu\alpha\delta\delta\alpha$

. $\zeta\lambda\zeta\tilde{\upsilon}\delta\alpha$   $\zeta\delta\alpha\epsilon\epsilon\delta\delta\theta\delta\epsilon\mathcal{T}\alpha$   $\zeta$   $\alpha\delta\alpha$   $\tilde{\upsilon}\mathcal{T}\mathcal{S}$  ( $\delta/\hbar 750\sim$ )

. $\lambda\epsilon\mu\alpha\delta\alpha$   $\alpha\lambda\mathcal{R}\eta$   $\delta\alpha\delta\alpha$  **:Category**  $\zeta\alpha\alpha\delta\alpha$

. $\delta\zeta\mathcal{R}\delta\alpha$   $\Theta\eta$   $\zeta\mu\mathcal{T}$   $\tilde{\upsilon}\tilde{\gamma}\alpha\delta\theta\tilde{\iota}\alpha$   $\zeta\delta\tilde{\iota}\delta\eta$   $\zeta\lambda\zeta\alpha\zeta$   $\zeta$   $\Theta\lambda\mathcal{R}\alpha\epsilon\tilde{\iota}\tilde{\iota}\alpha\mathcal{V}\tilde{\epsilon}\delta\alpha$   $\mathcal{S}\alpha\zeta$   $\mathcal{j}\tilde{\upsilon}$   $\mathcal{A}\mathcal{E}\mathcal{Z}$  **:Storage**  $\Theta\lambda\alpha\alpha\mathcal{Q}\delta\alpha$

. $\tilde{\mathcal{O}}\delta\alpha\mathcal{Q}\delta\alpha$   $\zeta\eta$   $\mu\mathcal{G}\alpha\alpha\tilde{\mathcal{O}}\tilde{\mathcal{k}}$   $\circ\tilde{\gamma}$  255  $\mu\theta\alpha\mathcal{G}$   $\zeta\mathcal{D}\mathcal{Z}\theta\mathcal{A}\alpha$   $\Theta\lambda\mathcal{R}\alpha\epsilon\tilde{\iota}\tilde{\iota}\alpha\mathcal{V}\tilde{\epsilon}\delta\alpha$   $\mathcal{A}\mathcal{T}\tilde{\mathcal{O}}\mathcal{M}$  **:Additional information**  $\zeta\mu\mathcal{Z}\alpha\mathcal{R}\tilde{\iota}$   $\tilde{\upsilon}$   $\zeta\lambda\eta\mathcal{Z}\tilde{\gamma}\mathcal{H}\eta$

# REQUIREMENTS $\mathcal{K}\mathcal{C}\mu\tilde{\iota}\mathcal{O}\mathcal{S}\mathcal{K}\mathcal{Z}\mathcal{I}\mathcal{f}$

$\Theta\zeta$   $\mathcal{A}\mathcal{L}\mathcal{A}$   $\mathcal{F}\mathcal{S}$  %93.0  $\Theta\zeta$   $\tilde{\mathcal{O}}\tilde{\mathcal{O}}\mathcal{L}$   $\mathcal{F}$   $\mathcal{A}\eta$   $\mathcal{Z}\tilde{\gamma}$   $\Theta\lambda\mathcal{R}\alpha\epsilon\tilde{\iota}\tilde{\iota}\alpha\mathcal{V}\tilde{\epsilon}\delta\alpha$   $\mathcal{B}\mathcal{Z}\mathcal{Q}\mathcal{Z}$  **:General requirement**  $\tilde{\gamma}\mathcal{A}\mathcal{H}\delta\alpha$   $\mathcal{A}\tilde{\epsilon}\tilde{\gamma}\tilde{\upsilon}\mathcal{Q}\mathcal{j}\alpha$

. $\zeta\alpha\alpha\tilde{\mathcal{O}}\tilde{\alpha}$   $\mu\alpha\mathcal{I}\mathcal{j}\alpha$   $\Theta\tilde{\upsilon}$   $\mathcal{j}\mathcal{Z}\mathcal{D}\mathcal{Z}\mathcal{A}\delta\alpha\alpha$   $\zeta\alpha\mathcal{Z}\mathcal{E}\mathcal{T}$   $\tilde{\upsilon}\mathcal{C}_{18}\mathcal{H}_{14}\mathcal{N}_4\mathcal{O}_5\mathcal{S}$   $\Theta\eta$  %103.0

**:Identity tests**  $\mu\tilde{\gamma}\mathcal{N}\mathcal{j}\mathcal{N}\mathcal{U}\mathcal{I}\mathcal{E}$   $\mathcal{I}\mathcal{E}\mathcal{P}\mathcal{F}\mathcal{G}\mathcal{I}\mathcal{Q}\mathcal{I}\mathcal{E}$

. $\mathcal{C}\mathcal{S}$   $\mathcal{B}$   $\Theta\lambda\theta\mathcal{A}\mathcal{Q}\eta\mathcal{H}\mathcal{F}\alpha$   $\mathcal{S}\tilde{\upsilon}$   $\mathcal{A}$   $\theta\mathcal{A}\mathcal{Q}\eta\mathcal{H}\mathcal{F}\alpha$   $\mathcal{E}\mathcal{E}\mathcal{G}\tilde{\mathcal{O}}\mathcal{k}$   $\Theta\delta\mathcal{E}$  •

Spectrophotometry in  $\delta\alpha\mathcal{A}\mathcal{T}\Sigma\alpha$   $\mathcal{K}\mathcal{O}$   $\mathcal{G}\tilde{\mathcal{O}}\tilde{\mathcal{U}}\mathcal{A}\mathcal{j}\alpha$   $\zeta$   $\Theta\alpha\mathcal{Z}\mathcal{R}\delta\alpha$   $\mathcal{Z}\mathcal{E}\tilde{\upsilon}\delta\alpha$   $\alpha\mathcal{A}\mathcal{E}\mathcal{E}$ "  $\mathcal{j}\alpha\mathcal{Z}\mathcal{A}\zeta$   $\mathcal{K}\mathcal{O}$   $\delta\mathcal{Z}\delta\mathcal{Z}\mathcal{j}\alpha$   $\theta\mathcal{A}\mathcal{Q}\eta\mathcal{H}\mathcal{F}\alpha$   $\mathcal{E}\mathcal{G}\tilde{\mathcal{O}}\mathcal{k}$   $\mathcal{A}$

$\Theta\eta$   $\mathcal{j}\mathcal{k}\mathcal{A}\delta\alpha$   $\mathcal{Z}\mathcal{E}\tilde{\upsilon}\delta\alpha$   $\zeta\eta$   $\delta\alpha\mathcal{A}\mathcal{T}\Sigma\alpha$   $\mathcal{K}\mathcal{O}$   $\mathcal{G}\mathcal{H}\tilde{\iota}\mathcal{j}\alpha$   $\mathcal{I}$   $\mathcal{A}\tilde{\mathcal{O}}\mathcal{Q}\eta\mathcal{A}$   $\mathcal{Z}\mathcal{E}\tilde{\upsilon}$   $\mathcal{E}\mathcal{A}\tilde{\mathcal{U}}\mathcal{Q}\mathcal{L}$  .(43  $\zeta\mu\mathcal{A}\tilde{\mathcal{O}}\delta\alpha$   $\tilde{\upsilon}_1$   $\mathcal{A}\mathcal{V}\tilde{\mathcal{O}}\tilde{\alpha}$ ) "the infrared region

. $\Theta\lambda\mathcal{R}\alpha\epsilon\tilde{\iota}\tilde{\iota}\alpha\mathcal{V}\tilde{\epsilon}\delta\alpha$   $\Theta\mathcal{H}\mathcal{D}\mathcal{Z}\mathcal{A}\mathcal{j}\alpha$   $\mathcal{Z}\mathcal{E}\tilde{\upsilon}\delta\alpha$   $\zeta\eta$   $\mathcal{S}\tilde{\upsilon}$   $\mathcal{R}\mathcal{S}$   $\Theta\lambda\mathcal{R}\alpha\epsilon\tilde{\iota}\tilde{\iota}\alpha\mathcal{V}\tilde{\epsilon}\delta\alpha$

600 $\mathcal{S}$   $\mathcal{A}\mathcal{Q}\eta\mathcal{Z}\mu\mathcal{A}\mu$  230  $\mathcal{k}\mathcal{A}$   $\zeta\mathcal{D}\mathcal{Z}\mathcal{j}\alpha$   $\delta\mathcal{Z}\tilde{\upsilon}\mathcal{A}$   $\mathcal{C}\mathcal{k}\mathcal{A}\mathcal{E}\mathcal{L}\mathcal{I}\eta$   $\mathcal{A}\mathcal{E}\mathcal{A}$   $\tilde{\upsilon}\mu\tilde{\mathcal{O}}\mathcal{g}\mathcal{F}$   $\mathcal{G}\mathcal{E}\mathcal{L}\tilde{\mathcal{O}}\mathcal{j}\alpha$   $\zeta$   $\mathcal{A}\mathcal{R}+\mathcal{A}$   $\delta\mathcal{Z}\tilde{\gamma}+\mathcal{A}$   $\mathcal{I}$   $\mathcal{A}\tilde{\mathcal{O}}\mathcal{Q}\eta\mathcal{A}$   $\mathcal{Z}\mathcal{E}\tilde{\upsilon}$   $\mathcal{B}\mathcal{A}\mathcal{G}\mathcal{L}$   $\mathcal{B}$

$\mathcal{A}\mathcal{R}\mathcal{T}$   $\mathcal{R}\mathcal{S}$   $\Theta\lambda\mathcal{R}\alpha\epsilon\tilde{\iota}\tilde{\iota}\alpha\mathcal{V}\tilde{\epsilon}\delta\alpha$   $\delta\mathcal{Z}\tilde{\gamma}\mathcal{T}$   $\mathcal{I}$   $\mathcal{A}\tilde{\mathcal{O}}\mathcal{Q}\eta\mathcal{A}$   $\mathcal{Z}\mathcal{E}\tilde{\upsilon}$   $\mathcal{A}\mathcal{T}\mathcal{A}\mathcal{E}\mathcal{G}\mathcal{L}$   $\Theta\theta\mathcal{Q}\delta\alpha$   $\tilde{\mathcal{O}}\tilde{\gamma}\mathcal{Q}\delta$   $\mathcal{G}\tilde{\gamma}\mathcal{Q}\mathcal{A}\mu$   $\zeta\mathcal{D}\mathcal{Z}\mathcal{j}\alpha$   $\delta\mathcal{Z}\tilde{\iota}\tilde{\iota}\alpha$   $\zeta\mathcal{L}\mathcal{A}\delta\delta\tilde{\iota}\mathcal{S}$   $\zeta\mu\mathcal{T}\mathcal{J}\mathcal{A}$   $\mu\mathcal{E}$   $\tilde{\upsilon}\mathcal{A}\mathcal{Q}\eta\mathcal{Z}\mu\mathcal{A}\mu$

. $\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{A}\mu$   $\mathcal{G}\tilde{\mathcal{O}}\mathcal{L}\mathcal{A}\tilde{\mathcal{U}}\delta\alpha$

( $\delta/\hbar 70\sim$ )  $\mathcal{A}\mathcal{L}\theta\mathcal{Z}\tilde{\iota}\delta\delta\theta\delta\epsilon\mathcal{T}\alpha$   $\mathcal{R}\mathcal{E}\mathcal{P}$   $\Theta\eta$   $\tilde{\mathcal{O}}\eta$  4 $\mathcal{S}$   $\mathcal{T}\mathcal{S}$  ( $\delta/750\sim$ )  $\delta\mathcal{Z}\mu\lambda\zeta\lambda\epsilon\tau\epsilon$   $\Theta\eta$  1.0  $\Theta\eta$   $\mathcal{j}\mathcal{L}\mathcal{A}\eta$   $\zeta$   $\mathcal{H}$  0.1  $\alpha\mathcal{A}\mathcal{O}\mathcal{L}$   $\mathcal{C}$









ŮTS (ó/ħ250~) ŌłŹłđšŲĚTā R̄β đŋ Ōŋ 3 8 ĀRĀ ŪđĀŋ Ōŋ 20 Ž ĥ 0.50 āāŌĀ :Sulfates ġĀĀYĒōō  
ĠHĀŌō Ū1 ĀYŌā) "Limit test for sulfates ġĀĀYĒō ŌDZĵ BĀΣā ōĀQŋŋŋ" JĵĀ3 KŌ 8zðzŋ zĒ Ātō 3āĀQŋ  
.ħ/ŋŷŋ 1 đ3 ġĀĀYĒōō PzŲT ĀĀĀĀ ŋ Ū(123

ĀĒĒŌŮ ŪāĀŋ đŋ BĀŲā ōĀŲā đŋ Ōŋ 10 Ž ĥ 0.50 ĀĒŌĀŲā ōzŲT JzŌĀ :Clarity of solution ōzŲā ōĀĀŌ  
.ĤēzĀŌ JzĀŌŌō

Determination of water by ĀĪŲ ōŲĀŌ ĠŌĀŪĀ ōĀŲā kĒĤĤ" JĵĀ3 KŌ 8zðzŋ zĒ Ātō đŋĤĀ :Water ōĀŲā  
PzŲT ĀĀĀĀ ŋ ŪĤĀĀŌŋ ġĀŲā đŋ ĥ0.2 yāĀĀŲēĤ Ū(145 ĠHĀŌō Ū1 ĀYŌā) A ĠŌĀŪŌ Ū"the Karl Fisher Method  
.ħ/ħ 0.10 đ3 ōĀŲā

.7.0-5.5 ŪR JzĀŌŌō ĀĒĒŌŮ ŪāĀŋ đŋ ōĀŋ ōĀŋ Ž Ōŋ/ŋŷŋ 10 ĀĒŌĀŲā ōzŲT ōĀĒĀ :pH Value ōĀĒĀŌā ĠŲē  
0.1) ŌłŹłđšŲĚTā R̄β đŋ Ōŋ 30 8ĀRĀŲā ōĀŋ Ōŋ 30 Ž ĥ 5 āāŌĀ :Free amines ġĀΣā ġĀĀĤĵā  
ĀĀ3 ĀŲŲĀĒ ĠŪŌŲ ġĀĀĤĵā ŋŲĤĤ .R ĀĀĀzĒōō/ĀĪĀō ĠēŲŲ zŲ3 āōāŮ JzŌ ĵŲĀ zŲŲġ ŪġzŌā ŌĀĤŲŲō 3ŋ Ūvs (ó/ōzŋ  
ŪāĤĀŲŌō āĀŲŲō ĠŌĀŪĀ ġĀĀĤĵā ōĀĀDZŮ đŌŲ .ĠŌĒā ġĀŋ ōĀĀŲŲēŲŲō ġĀĀĤĵā ōzŲT ŌĀĤ ĀĤĤ āōāĵā JzŲō ŌŌĪĤ ġĀz3  
.Ōŋ 0.4 āšĀDzŲĀ ŋ kĀĀĀĤĵā kĀ ĬDzΣā āĀz .ōĀQŋŋŋĤā ġĀŋ Jšā ĠĒŲĤĤōā āĀĤĤ .electrometrically

ĠĀŲŲā infected ĠĒĤĤĵā JĀĀĀōō zŲ3 ĠĀĤĤōā ŲŲŲ ŪĠEDZYĤĤōā ĠĒŲĀĀŲō :Therapeutic potency ĠEDZYĤĤōā ĠĒŲĀĀōā  
kŋŲŲĒŲō ĠĒĒΣā ġĀĒŲŲā đŋ ĠŲŲŲā PĀŋĵā ŲĀzŲā šŮ ŪTrypanosoma equiperdum ġĀĒĒĵā ġĀĒŲŲā  
ōŲz ŌŌ yā ŌĤĀĀ ĠzĀē 48 ĀĤĤ .ġĀĒŲŲā Ųēĵā zŲ3 JĀĀz 10 ĠŲŲĀ :ŪŲĀ Ātō ōĀQŋŋŋā ōĀĀDZŮ đŌŲ .yŲĀzŲŲō  
ōĀĀDZŮ đŌŲ .20 000Ų 1000 kĀ ĬēĀōā dzšāĀŲĀ JŮ Āēz .ōŲz ŌŌ yā đŋ ĀŲŲ ŪŲĒĵā Ž ġĀĒŲŲā āĀ3 ōŲŲĀŲ ĤĀŲŲ  
zŲ3 ġĀĒŲŲā ŲēzŲ Ūcover-slip preparation ġĀĤĀē 3ŋ ĀĤŲŲĒŲ ŌŲĪ zŲ3 yĀŲō đŋ ĒēŲŲ ĬŲ ŌĤĀĀ ĀĀŲŲŲōā  
đŋ ŌŲġ ŌŌ Ž ĠĒŲŲŲā 20 BŮ 1 āzDzŲ ĒzĀzŲĀ .Ųēĵā zŲ3 ĬŲŲ 0.12 ĀŲĀŲ ŌŌ ĠġĀĒŲ ĠĀŲŲ ōzŲġ 10 Ž Ųēĵā  
.ĤĀĀŲŲŲ ŲŲŲ ŪŲĒĵā Ž ĠĒŲŲŲā 20 000 BŮ 1000 PzŲT 3ŋ kŲŲġ

ŌŲŲ ĤDzĀĀŮ ĀŪŲŲ ōĀŋ Ž ĠĀĤĤōā đŋ ō/ŋŷŲ 50 ĀĒŌĀŲā ōzŲT đŋ Ōŋ 0.16 ōē ŪĤĀĀŲŲ ŪĠĀĤŲ JĀĀz 10 đŲŲ  
yŲŲō Ž ŪŲŲŲ objective-4 (ĠĒĀē3) ĠĒĒĪ BĀ ĀŲŲ yāĀŲŲēĀ ŪĤĀŲŲ ōŲz ŌŌ yā ŌĤĀĀ .ĬĒēā ĠŲŲŲ đŋ yāĀđ  
ŪŲŲŲŲā yŲŲō Ž ŲŲŲŲ 20 ŌĤz ĀĀ3 JĀĀĀōā đŋ ĀŲŲŲ šŮ 5 yā Ž ġĀĒŲŲā ĀDZŲĤ B āēŮ .đŲΣā ĀĤĤ ŲŲŲŲŲā ōšĵā  
āĀŲ ŪJĀĀz 5 đŋ ĀŲŲŲ yā Ž ĠŲĀĒŲōā ŋšĀĪŲō Ųš Ž ġĀĒŲŲā ġĀDzŲ āēŮ .ōĀQŋŋŋā ġĀĀŲDzĀ Āē ĠĀĤĤōā JzŲŲ  
JĀĀĀŲŲ BĀŲŲā āĀĤŲō đŋ %50 yā Ž ĠŲĀĒŲōā ŋšĀĪŲō Ųš Ž ĠĒŲŲŲā ĠŲŲ ĀDZŲĤ B āēŮ ōĀQŋŋŋā ĠĀĤĤōā āĀŲŲ .ōĀQŋŋŋā  
.Ųēĵā zŲ3 ĠēĀĤĵā

ŮTS (ò/ħ700~) ÔłóZÁŸÊôô Rê ð ðŋ Őŋ 12 ŮĈĚŮZĠRŋ ĠŋşàZŋ ŮŦĠAŮŦ ħ 0.5 BŮ 8 ĀRĀ :Assay ĠĒĀŮŦġ  
 ĀĒŋşĀġ ðŋ ħ 1 8 ĀRĀ .ðĤġġ Őŋ 100 ĠġĀĒ BŮ ZĀĤş ĀĒĀ ŮĠ3ĀĒ ġĒŋ Ů3ZDZĀôô JĀĀZĀĒ ŐĤĤĀ ZĵŐŋ ĶŐ ZŸ8Āş  
 ZŦŦġ ġZŦô ŐĀĀĤŦôô 3ŋ Ůvs (ò/òZŋ 0.1) ŸZĀZŦôô ĶĀĀŦĀ Ÿ 20ş 15 kġ ġŦĀġ ĠDZŦĒĒ ĀĀĤĀş R ŸZĒĒĶŦôô  
 òZŸŦ ŐĀĶ ĒĤĒ āŦĀĵġ JZŸôô ŐŐŦĶ ġĀZ3 ĒĀ3 ĀŦŦĀĒ ĠŮŐŋ ġĀĀĤġġ ŦŸĶ .R ĒĀZĒôô/ĀĤĀôô ĠĒŦş ZŸ āŦĀŮ JZŦ JŦĀĀ  
 .ŦĀŦŦĤġ ġĀĀŋ JşĀ ĠŸŦĤĤôô ĀĤĤĶ .ŮĀĒĀŦŦôô āĀŦôô ĠŦĀŮĒ ġĀĀĤġġ ŦĀĀDZŮ ðŐŤ .ġĒġş ĠŦĒĒ ġĒŋ ŦĀĀŦŦĒŸŦ ġĀĀĤġġ  
 .C<sub>51</sub>H<sub>34</sub>N<sub>6</sub>Na<sub>6</sub>O<sub>23</sub>S<sub>6</sub> ðŋ ŦŸŋ 23.82 ŮŰŦŦ vs (ò/òZŋ 0.1) ŸZĀZŦôô ĶĀĀŦ ðŋ ĀŦŦ ŮŸŋ ŐŦ

øøøøø

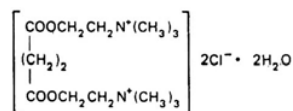
## SUXAMETHONII CHLORIDUM

Suxamethonium chloride !NjĩĩNjĩKĩDĩF z lF z lĚ qĩŦNjĩ†l

C<sub>14</sub>H<sub>30</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>4</sub>·2H<sub>2</sub>O :Molecular formula ĠĒĀĀZĀ Ġ8ĒŦôô

397.3 :Relative molecular mass ĠĒĒĀôô ĠĒĀĀZĀ ĠŸŦŦôô

:Graphic formula ĠĒŦĒĠġġ Ġ8ĒŦôô



:Chemical name ŮĀĒĤŦŦôô JĒŦġ

Choline chloride, succinate (2:1), dihydrate; 2,2'-[(1,4-dioxo-1,4-butanediyl)bis(oxy)]bis[*N,N,N*-trimethylethanaminium] dichloride, dihydrate; 2,2'-succinyldioxybis(ethyltrimethylammonium) dichloride, dihydrate; CAS Reg. No. 6101-15-1(dihydrate).

.Succinylcholine chloride kŦŦŦ ŐŦĒĒŦŦôô ĒŦŦŦŦ :Other name ĀŦŮ JĒĒ

.ŦĠĀŮŦ ĠĤĀĀĀôô ĠĒ3 şŮ ĠĤĀĀĀôô ĠĒ3 ŮŦĀŮŦ RĒŮ şŮ JZŸôô RĒŮ ŮBŦŦĒ āZĤŦĒŋ :Description ZŦŦôô

ĀĀşġ Ů ŮTS (ò/ħ750~) òZŦĀŰġġ Ž JĀşŦôô ĠĤŮ ŮŦġ ðŋ Ēġġş ŦĀDZ Ž āĀşġ :Solubility ĠĒĤşŦôô

.R KŦĵġ Ž ŦĒŸŦ3

.ŮŸR3 ŦĀŋ :Category ĠĀĀôô

.ŦŦRôô ðŋ ZŦĤŮ JŮş ŮŦĒĒDZ ĠŦŸ8ŋ ĠĀşġ Ž ŸZŦŦŦŦĒĒŦŦôô ĒŦŦŦŦ şĀ3 JŮ ĒZ :Storage ðĀĀŦôô

ĒĀ3 JŦŦŦŦôô ŐŦĒŦ .ĠĠŮŦŦĒ ġĀŋ ŸZŦŦŦŦĒĒŦŦôô ĒŦŦŦŦ :Additional information ĠĒĶŦŮ ġĀŋŦŸŦŋ







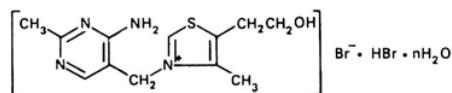












n = 0 (anhydrous)  
n = 1/2 (hemihydrate)

**Chemical name** **Thiamine bromide**

Thiamine bromide, monohydrate; 3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-hydroxyethyl)-4-methylthiazolium bromide, monohydrate; CAS Reg. No. 4234-86-0 (anhydrous).  
Thiamine bromide, monohydrate, hemihydrate; 3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-hydroxyethyl)-4-methylthiazolium bromide, monohydrate, hemihydrate; CAS Reg. No. 62084-87-1 (hemihydrate).

**Description** **Thiamine bromide, monohydrate**

**Solubility** **Thiamine bromide, monohydrate**

**Thiamine bromide, monohydrate**

**Category** **Thiamine bromide**

**Storage** **Thiamine bromide**

**Thiamine bromide**

## REQUIREMENTS

**General requirement** **Thiamine bromide**

**Thiamine bromide**

**Identity tests** **Thiamine bromide**

**Thiamine bromide**

**Thiamine bromide**

**Thiamine bromide**

**Thiamine bromide**

**Thiamine bromide**

**Thiamine bromide**









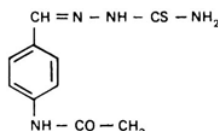


## Thioacetzone

$C_{10}H_{12}N_4OS$  : **Molecular formula**

236.3 : **Relative molecular mass**

: **Graphic formula**



: **Chemical name**

4'-Formylacetanilide 4'-(thiosemicarbazone); N-[4-[(aminothioxomethyl)hydrazono]methyl]phenyl]acetamide; CAS Reg. No. 104-06-3.

: **Description**

: **Solubility**

: **Category**

: **Storage**

## REQUIREMENTS

: **General requirement**

: **Identity test**

: **Identity test**

: **Identity test**

: **Identity test**

: **Identity test**

: **Identity test**

: **Identity test**

: **Identity test**

: **Identity test**

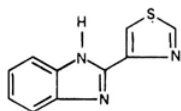


**Tiabendazole** c1ccc(cc1)C2=CN=C(C=C2)S3=CC=CC=C3

**.C<sub>10</sub>H<sub>7</sub>N<sub>3</sub>S :Molecular formula**

201.3 :Relative molecular mass

**Graphic formula** 



**Chemical name** :  $\text{H}_2\text{N}(\text{CH}_2)_6\text{NH}_2$  lèrā

2-(4-Thiazolyl)benzimidazole; 2-(4-thiazolyl)-1*H*-benzimidazole; CAS Reg. No. 148-79-8.

**Formula**  $\text{C}_{10}\text{H}_{16}\text{O}_8$  **Description** Zözoä  
**Solubility** Insoluble

.R Kō j̄ā\$ R yōzzz\$ózyŎōā Ž j̄ Āæ\$Ŏōā

.] āÉΛÉōā áóÀù :Category Z<sub>EAÔQōā</sub>

.vĀŌgŭ ĞŌŸ8η ĞſĀg Ž ősääÉĀĀEOöā ŞĀg Ēz :Storage ɔΛĀÁŌā

## REQUIREMENTS

%101.0đ3 ÁÍÂ Ñ %98.0 đ3 ÖÖ Ò Ñ Ĥ Ž ššăĀĀĀĤŌöä Bž03 :General requirement ŷĂHöä ÄÏÜotā

ГЛАВА 1. ОБЩЕЕ СООБРАЖЕНИЕ

## Identity tests

.DŞ CŞ B ğăőĀQñră ŞŮ A őĀQñă ȚĜŮ J Ů ĀŮ •

ǒǎĀtΣā ĶŌ ĠHījā GÖÜAn Ž UzRōā ZUōā āİē" jizA3 ĶŌ 8zözn zL Ätō öÄGnñä EGÜ :A

ǒǎĀtΣā ĶŌ ĞĤî j ā î ĀÔōñ Zlù ÈāĀŪŌŬ .(43 ĞHĀÔôâ Ū1 ÁÉŌǎ) "Spectrophotometry in the infrared region

.òšàà'ÁÁÀĖÖŸ ÛĤDŽĀ ZĖŮā 3ŋ šĭ RS òšàà'ÁÁÀĖŮā dŋ ɕĕŷ ŌŌHŮĒĀ ZĖŮā 3ŋ

$\dot{A}n\dot{A}z \dot{U}vs (\dot{o}/\dot{o}z\eta 0.1) \ddot{O}\dot{L}\dot{o}z\dot{V}\dot{D}\dot{s}\dot{o}\dot{A}E\dot{T}\dot{A} \ddot{R}\dot{p} \ddot{Z} \ddot{O}\eta/\ddot{y}\dot{a}\dot{A}d\dot{s}\dot{A}\dot{O}\eta 4.0 \dot{A}\dot{E}\ddot{O}\dot{A}\dot{k} \dot{B}\dot{a} \dot{o}z\dot{V}\dot{T} \dot{I} \dot{A}\dot{O}\eta\dot{A} \dot{Z}\dot{E}\ddot{U} \dot{B}\dot{A}\dot{G}\dot{A} :B$   
 $\ddot{U}\dot{H}\dot{G}\dot{A}\dot{A}\dot{O}\dot{k} \ddot{A}\eta\eta\dot{z}\eta\dot{A}\eta 302s 234 \dot{G}D\dot{Z}z\dot{t}\dot{A} \dot{B}z\ddot{U} \dot{A}z \dot{k}\dot{E}\dot{t}T\dot{z}\ddot{U} \dot{d}\dot{L}\dot{A}\dot{G} \ddot{U}\ddot{A}\eta\eta\dot{z}\eta\dot{A}\eta 350s \ddot{A}\eta\eta\dot{z}\eta\dot{A}\eta 230 \dot{k}\dot{A} \dot{G}D\dot{Z}z\eta \dot{o}\dot{A}z\ddot{U}\dot{U} \ddot{Z} \dot{A}\dot{E}\dot{A}\dot{I}\dot{A}$   
 $\dot{B}\dot{A}z\dot{Q}\ddot{A} \dot{z}\dot{V}3 \dot{U}0.49s 0.23 \dot{d}\dot{L}\dot{O}\dot{L} \dot{G}D\dot{Z}z\dot{t}\dot{A} \dot{B}z\ddot{U} \dot{A}z \dot{l}\ddot{e} \dot{I} \dot{G}\eta\dot{A}\dot{A}\dot{z}\dot{A} \dot{G}\ddot{O}\ddot{U} \dot{I} \dot{A}\eta \eta\dot{V}\dot{G}\dot{A}$   
 $\dot{U}\dot{A}\dot{A}\dot{Q}-4\dot{U}1 \dot{d}\eta \eta\dot{V}\eta 3 \dot{B}\dot{A}\dot{R}\dot{A} \dot{U}vs (\dot{o}/\dot{o}z\eta 0.1) \ddot{O}\dot{L}\dot{o}z\dot{V}\dot{D}\dot{s}\dot{o}\dot{A}E\dot{T}\dot{A} \ddot{R}\dot{p} \dot{d}\eta \ddot{O}\eta 5 \ddot{Z} \eta\dot{V}\eta 5 \dot{A}\dot{A}\dot{O}\dot{A} :C$   
 $\ddot{O}\dot{A}\eta\dot{s} \dot{U}\dot{z}\dot{A}\dot{z} \dot{U}\dot{R} \ddot{O}\eta\dot{A}\ddot{A} \dot{A}z\dot{H}\dot{E}\eta \dot{d}\eta \dot{h} 0.1 \dot{B}\dot{A}\dot{R}\dot{A} .\dot{A}\dot{s}\dot{O}\dot{A} \dot{z}\dot{O}\dot{Q} \ddot{z}\dot{A}\dot{s} \dot{U}\dot{R} \dot{k}\eta\dot{U} \dot{U}\dot{A}\dot{Q} \dot{k}\dot{V}\dot{E}\dot{A}\dot{E}\dot{A}\ddot{A} \dot{A}\dot{L}\dot{o}z\dot{V}\dot{D}\dot{s}\dot{o}\dot{A}E\dot{L}$   
 $\dot{U}D\dot{z}\dot{E}\dot{A}\dot{A}\dot{A} \dot{s}\dot{U} \dot{E}\eta\dot{d} \dot{A}\dot{O}\dot{A}\dot{U} \dot{J}z\dot{o} \dot{J}\dot{Q}\dot{A}\dot{A} \dot{U}T\dot{s} (\dot{o}/\dot{h}45) \ddot{O}\dot{L}\dot{A}\dot{E}\dot{A}\dot{E}\dot{S}\dot{A} \ddot{y}z\dot{E}\eta\dot{z}\eta\dot{U} \ddot{g}\dot{A}\dot{A}\dot{V}\ddot{e} \ddot{O}\eta 10 \dot{B}\dot{A}\dot{R}\dot{A}\dot{s} \dot{U}\dot{G}\ddot{O}\dot{E}\dot{A} 2 \dot{g}\dot{A}\eta \ddot{A}\dot{O}\dot{Q}\dot{E}\dot{L}\dot{o}$   
 $\dot{A}\dot{O}\dot{A}\eta$

$\dot{h}/\eta\dot{V}\eta 1.0 \dot{d}3 \dot{A}\dot{L}\dot{A}\dot{A} \text{ f :Sulfated ash } \ddot{K}\dot{A}\dot{V}\dot{E}\dot{t}\dot{A} \dot{A}\dot{A}\eta\dot{A}\ddot{A}$

$\dot{h}/\eta\dot{V}\eta 5.0 \dot{d}3 \dot{A}\dot{E}\ddot{O}\dot{A}\ddot{A} \dot{A}\dot{L}\dot{A}\dot{A} \text{ f } \dot{U}\dot{o}\dot{y} 105 \dot{g}\ddot{A}\dot{A}\dot{G} \dot{G}D\dot{z}\dot{O}\dot{A} \dot{A}z \dot{Z}\dot{A}z :Loss\ on\ drying \dot{Z}\dot{E}\dot{A}D\dot{z}\dot{Q}\ddot{A}\dot{A} \dot{A}\dot{E}\ddot{O}\dot{A}\ddot{A}$   
 $\dot{G}\ddot{O}\dot{E}\dot{A}\ddot{A} \dot{G}\ddot{O}\dot{G}\dot{U}\ddot{A} \dot{A}\dot{A}\dot{I}\dot{Q}\ddot{e}\dot{I}" \dot{J}\dot{A}z\dot{A}3 \ddot{K}\dot{O} \dot{B}z\dot{o}z\eta \dot{z}\dot{L} \dot{A}\dot{t}\dot{O} \dot{O}\dot{A}\dot{Q}\dot{n}\dot{r}\dot{A} \dot{E}\dot{G}\dot{U}\dot{A} :Related\ substances \dot{G}\ddot{O}\dot{A}\dot{I}\dot{t}\dot{A} \dot{A}\dot{A}z\dot{t}\dot{A}$   
 $50 \dot{d}\eta \dot{J}\dot{A}\dot{A}\eta\dot{s} \dot{G}\dot{V}\dot{H}8\eta \dot{g}\dot{A}\dot{t}\dot{O} \dot{R}4 \dot{A}\dot{O}\dot{E}\dot{V}\dot{E}\dot{E}\ddot{A} \dot{G}\eta\dot{Y}\dot{L} \ddot{y}\dot{A}\dot{A}\dot{Q}\dot{E}\dot{k} \dot{U}(43 \dot{G}\dot{H}\dot{A}\dot{O}\ddot{A} \dot{U}1 \dot{A}\dot{E}\dot{V}\ddot{O}\dot{A}) "Thin\ layer\ chromatography$   
 $\dot{O}\dot{A}\dot{t}\dot{A} \dot{d}\eta \dot{L}D\dot{z}\dot{g} 2s \dot{R} \dot{J}z\dot{Q}\dot{E}\ddot{e}\dot{j}\dot{A} \dot{d}\eta \ddot{y}z\dot{D}z\dot{g} 8s \dot{R} \dot{U}D\dot{z}\dot{V}\ddot{A} \ddot{O}\dot{E}\dot{Q}\dot{E}\dot{j}\dot{A} \ddot{R}\dot{p} \dot{d}\eta \dot{H}\dot{t}D\dot{z}\dot{g} 20s \dot{R} \dot{d}\dot{L}z\dot{o}z\dot{U}\ddot{A} \dot{d}\eta \dot{H}\dot{t}D\dot{z}\dot{g}$   
 $\dot{g}\dot{A}\dot{A}\eta \dot{d}\eta \eta\dot{V}\eta 10 (A) \dot{B}z\dot{z} :R \dot{o}z\dot{Q}\dot{A}\dot{z}\dot{E}\dot{t}\dot{A} \ddot{Z} \dot{k}\dot{o}z\dot{V}\dot{T} \dot{d}\eta \ddot{A}\dot{Q}\dot{S}\dot{A}\dot{O}\eta 10 \dot{G}\dot{H}\dot{E}\dot{A}\ddot{O} \dot{z}\dot{V}3 \ddot{H}\dot{O}\dot{A}\eta \dot{E}\dot{G}\dot{U}\dot{A} .\ddot{O}\dot{A}\dot{H}\eta\dot{Q}\eta \dot{o}z\dot{U}\ddot{O}$   
 $\dot{Z}\dot{D}z\dot{Q}\dot{o} \ddot{O}\dot{A}\dot{Q}\dot{k} \dot{U}\dot{A}\dot{A}\dot{A}\dot{I}\dot{Q}\ddot{e}\dot{r}\dot{A} \dot{g}\dot{A}D\dot{z}\dot{g} \dot{d}\eta \dot{G}\dot{H}\dot{E}\dot{A}\dot{O}\ddot{A} \dot{z}\dot{z}\dot{O} \dot{A}\dot{H}\dot{A} .\dot{A}\dot{Q}\dot{o} \dot{U}\dot{Y}\dot{E}\dot{t}\dot{A} \ddot{Z} \dot{g}\dot{A}\dot{t}\dot{A} \dot{d}\eta \eta\dot{V}\eta 0.15 (B)s \dot{A}\dot{Q}\dot{o} \dot{U}\dot{Y}\dot{E}\dot{t}\dot{A} \ddot{Z} \dot{O}\dot{A}\dot{Q}\dot{n}\dot{r}\dot{A}$   
 $\dot{d}3 \dot{G}\dot{O}\dot{A}\eta \dot{G}\dot{H}\ddot{O}\dot{A} \dot{B}\dot{U} \dot{J}z\dot{O}\dot{k} \text{ f } .(\dot{A}\eta\eta\dot{z}\eta\dot{A}\eta 254) \dot{G}\dot{E}D\dot{z}\dot{E}\dot{A}\dot{G}\ddot{A} \dot{A}z\dot{z} \dot{G}\dot{H}\dot{I}\dot{j}\dot{A} \dot{o}z\dot{R}\dot{A} \dot{A}\dot{A}\dot{A}\dot{I}\dot{Q}\ddot{e}\dot{r}\dot{A} \dot{U}\dot{U}\dot{U} \ddot{O}\dot{H}\dot{A}\dot{A}\dot{s} \dot{U}\dot{O}\dot{A}z\dot{T}\dot{A} \ddot{Z}$   
 $\dot{B} \dot{o}z\dot{V}\dot{I}+\dot{A} \dot{d}3 \dot{G}\dot{O}\dot{A}\ddot{A} \ddot{O}\dot{V}\dot{k} \dot{d}\eta \dot{g}\dot{A}\dot{E}\dot{I} \ddot{A}\dot{z}\dot{O}\dot{U} \dot{U}\dot{G}\dot{E}\dot{E}\dot{A}\dot{A}\ddot{A} \dot{G}\dot{H}\ddot{O}\dot{G}\dot{A} \dot{O}\dot{A}\dot{A}\dot{Q}\dot{O}\ddot{e}\dot{A} \dot{U}\dot{A} \dot{o}z\dot{V}\dot{I}+\dot{A}$

$\dot{U}\dot{R}1 \dot{U}D\dot{z}\dot{V}\ddot{A} \ddot{O}\dot{Q}\dot{E}\dot{j}\dot{A} \ddot{R}\dot{p} \dot{o}z\dot{V}\dot{T} \dot{d}\eta \ddot{O}\eta 30 \ddot{Z} \dot{U}\dot{G}\dot{E}\dot{r}\dot{z}\dot{G}\dot{R}\eta \dot{G}\eta\dot{s}\dot{A}z\eta \dot{U}\dot{h} 0.16 \dot{G}\dot{A}\dot{A}\dot{A}\dot{E} \dot{A}\dot{A}\dot{O}\dot{A} :Assay \dot{G}\dot{E}\dot{L}\dot{A}\dot{O}\dot{t}\dot{A}$   
 $Non- \dot{U}\dot{A}\dot{A}\eta\dot{Y}\ddot{A} \ddot{U}\ddot{e}z\ddot{A} \ddot{Z} \dot{g}\dot{A}\dot{A}\dot{H}\dot{t}\dot{A}" \dot{J}\dot{A}z\dot{A}3 \ddot{K}\dot{O} \dot{B}z\dot{o}z\eta \dot{z}\dot{L} \dot{A}\dot{t}\dot{O} vs (\dot{o}/\dot{o}z\eta 0.1) \ddot{O}\dot{L}\dot{o}z\dot{V}\dot{D}\dot{K}\ddot{A} \ddot{R}\dot{p} \dot{z}\eta \dot{A}\dot{A}\dot{H}\dot{A}\dot{s}$   
 $vs (\dot{o}/\dot{o}z\eta 0.1) \ddot{O}\dot{L}\dot{o}z\dot{V}\dot{D}\dot{K}\ddot{A} \ddot{R}\dot{p} \dot{d}\eta \ddot{O}\eta 1 \ddot{O}\ddot{O} .(142 \dot{G}\dot{H}\dot{A}\dot{O}\ddot{A} \dot{U}1 \dot{A}\dot{E}\dot{V}\ddot{O}\dot{A}) \dot{A} \dot{G}\ddot{O}\dot{A}\dot{U}\ddot{A} \dot{U}"aqueous\ titration$   
 $\dot{C}_{10}\dot{H}_7\dot{N}_3\dot{S} \dot{d}\eta \eta\dot{V}\eta 20.13 \dot{U}\dot{z}\dot{A}\dot{O}\dot{A}$

$\emptyset\emptyset\emptyset\emptyset\emptyset$

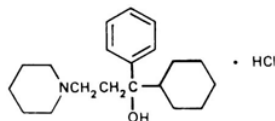
## TRIHEXYPHENIDYLI HYDROCHLORIDUM

Trihexyphenidyl hydrochloride  $\ddot{U}\dot{U}\dot{Q}\dot{V}\ddot{U}\dot{z}\dot{I}z \dot{I}N\dot{U}\dot{r}\dot{P}\dot{H}\dot{E} \dot{Q}\dot{V}\dot{P}\dot{N}\dot{J}+\dot{I}N\dot{J}\dot{P}\dot{Q}\dot{V}\dot{I}\dot{J}$

$C_{20}H_{31}NO_3.HCl$ : **Molecular formula**  $\dot{G}\dot{E}\dot{A}\dot{A}\dot{z}\dot{A} \dot{G}\dot{B}\dot{E}\ddot{O}\ddot{A}$

337.9 **Relative molecular mass**:  $\dot{G}\dot{E}\dot{G}\dot{E}\dot{A}\ddot{A} \dot{G}\dot{E}\dot{A}\dot{A}\dot{z}\dot{A} \dot{G}\dot{V}\dot{Q}\ddot{O}\ddot{A}$

**Graphic formula**  $\dot{G}\dot{E}\eta\dot{A}\dot{E}\dot{G}\dot{t}\dot{A} \dot{G}\dot{B}\dot{E}\ddot{O}\ddot{A}$



**Chemical name** :  $\alpha$ -Cyclohexyl- $\alpha$ -phenyl-1-piperidinepropanol hydrochloride;

CAS Reg. No. 52-49-3.

**Other names** :  $\alpha$ -Cyclohexyl- $\alpha$ -phenyl-1-piperidinepropanol hydrochloride;

**Description** : White crystalline powder.

**Solubility** : Soluble in water, ethanol, and other polar solvents.

**Category** : Pharmaceutical intermediate.

**Storage** : Store in a cool, dry place.

#### REQUIREMENTS

**General requirement** : The substance should be white or off-white.

**Identity tests** : The substance should give a positive result in the following tests.

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**Identity tests** : The substance should give a positive result in the following tests.

**General** : The substance should be white or off-white.

**Identity tests** : The substance should give a positive result in the following tests.

. $\check{h}/\eta$  1.0  $\mathfrak{F}$  :Sulfated ash  $\check{K}\acute{A}\check{Y}\acute{E}\check{t}\grave{a}$   $\acute{a}\eta\grave{\lambda}\grave{o}\grave{a}$   
 5.0  $\mathfrak{F}$   $\check{U}\bar{o}\bar{y}$  105  $\mathfrak{g}\acute{o}\grave{a}\acute{A}\acute{g}$   $\check{G}\check{D}\check{Z}\acute{o}\acute{A}\acute{e}$   $\check{K}\grave{a}\check{q}$   $\mathfrak{J}\grave{a}\mathfrak{s}$   $\mathfrak{B}\acute{I}$   $\check{O}\check{O}\check{e}\check{o}$   $\mathfrak{Z},\acute{A}\mathfrak{Z}$  :Loss on drying  $\mathfrak{Z}\acute{E}\check{A}\check{D}\check{Z}\acute{o}\check{a}\check{a}$   $\acute{A}\check{O}\acute{A}\check{o}\acute{a}$   
 $\check{h}/\eta$

$\check{U}\acute{A}\acute{E}\check{A}\check{E}\check{Q}\check{o}\check{a}$   $\check{Z}$   $\check{G}\acute{A}\check{Z},\acute{A}\check{Q}\check{o}\check{a}$   $\mathfrak{Z}\eta$   $\mathfrak{J}\check{Z}\grave{a}\check{O}\check{o}\check{a}$   $\acute{A}\acute{E}\acute{E}\acute{O}\acute{I}$   $\mathfrak{U}\check{o}\acute{A}\check{q}$   $\mathfrak{d}\eta$   $\mathfrak{B}\acute{I}\check{I}$   $\acute{o}\acute{A}\check{t}\check{a}$   $\mathfrak{d}\eta$   $\check{O}\eta$  100  $\check{Z}$   $\check{h}$  1.0  $\check{a}\check{a}\check{O}\check{A}$  :pH Value  $\acute{o}\acute{A}\acute{E}\acute{A}\check{G}\check{o}\check{a}$   $\check{G}\check{t}\check{E}\check{e}$   
 .6.0-5.0  $\acute{U}\acute{o}\check{Z}\check{I}\check{+}\check{a}$   $\check{a}\check{O}\acute{E}$   $\acute{o}\acute{A}\acute{E}\acute{A}\check{a}$

$\mathfrak{d}\eta$   $\check{O}\eta$  1 $\mathfrak{s}$   $\acute{o}\acute{A}\check{t}\check{a}$   $\mathfrak{d}\eta$   $\check{O}\eta$  40  $\mathfrak{d}\eta$   $\mathfrak{J}\acute{I}\acute{A}\eta$   $\check{Z}$   $\check{h}$  0.10  $\check{a}\check{a}\check{O}\check{A}$  :Piperidylpropiofenone  $\mathfrak{J}\check{Z}\acute{A}\acute{E}\check{Z}\check{Z}\acute{E}\check{a}\check{a}$   $\check{O}\acute{A}\acute{E}\check{A}\check{E}\check{E}\check{a}$   
 $\check{a}\check{A}\check{O}\check{A}$  . $\check{O}\eta$  100  $\check{Z}\acute{I}\check{Q}\check{q}\check{Q}$   $\acute{o}\acute{A}\check{t}\check{a}$   $\mathfrak{d}\eta$   $\check{G}\acute{E}\check{Z}\acute{A}\check{o}$   $\check{G}\acute{E}\check{t}\check{o}$   $\mathfrak{8}\acute{A}\check{R}\check{I}\mathfrak{s}$   $\acute{U}\acute{A}\acute{E}\check{A}$   $\acute{U}\check{K}\acute{A}\acute{E}\check{Q}\check{o}\check{a}$   $\mathfrak{g}\acute{A}\check{Z}\acute{A}\acute{E}\eta$  vs ( $\acute{o}/\acute{o}\check{Z}\eta$  1)  $\check{O}\acute{\lambda}\check{O}\check{Z}\check{I}\check{D}\check{s}\acute{o}\acute{A}\acute{E}\check{T}\check{a}$   $\check{R}\check{\mathfrak{p}}$   
 .0.5  $\mathfrak{d}\eta$   $\check{A}\check{Z}\check{O}\acute{I}$   $\mathfrak{F}$   $\acute{U}\acute{A}\check{Q}\eta\check{Z}\check{q}\acute{A}\check{q}$  247  $\check{G}\check{D}\check{Z}\eta$   $\acute{o}\check{Z}\check{U}$   $\acute{A}\acute{E}\check{I}\mathfrak{Z}$   $\mathfrak{Z}\check{I}\mathfrak{Z}\check{J}\check{a}$   $\check{Q},\acute{A}\acute{g}$   $\check{Z}$   $\check{I}\grave{e}$  1  $\acute{I}\check{A}\check{A}\acute{A}\check{q}$   $\check{G}\check{O}\check{G}\check{U}$   $\acute{I}$   $\acute{A}\check{q}$

$\acute{U}\check{R}\check{I}$   $\mathfrak{U}\check{D}\check{Z}\check{I}\check{Y}\check{o}\check{a}$   $\check{O}\check{I}\check{Q}\check{E}\check{e}\check{J}\check{a}$   $\check{R}\check{\mathfrak{p}}$   $\acute{o}\check{Z}\check{Y}\check{T}$   $\mathfrak{d}\eta$   $\check{O}\eta$  30  $\check{Z}$   $\acute{U}\check{C}\acute{E}\check{r}\check{Z}\check{G}\check{R}\eta$   $\check{G}\check{q}\mathfrak{s}\check{a}\check{Z}\eta$   $\acute{U}\check{h}$  0.5  $\check{G}\check{a}\check{A}\check{e}$   $\check{a}\check{a}\check{O}\check{A}$  :Assay  $\check{G}\acute{E}\acute{A}\acute{O}\check{t}\check{a}$   
 $\check{Z}\acute{E}$   $\acute{A}\check{t}\check{o}$  vs ( $\acute{o}/\acute{o}\check{Z}\eta$  0.1)  $\check{O}\acute{\lambda}\check{O}\check{Z}\check{I}\check{D}\check{K}\check{G}\check{o}\check{a}$   $\check{R}\check{\mathfrak{p}}$   $\mathfrak{Z}\eta$   $\acute{A}\acute{A}\acute{H}\check{I}\mathfrak{s}$   $\mathfrak{T}\mathfrak{s}$   $\check{O}\check{I}\check{Q}\check{E}\check{e}\check{J}\check{a}$   $\check{R}\check{\mathfrak{p}}/\check{O}\check{I}\check{O}\check{G}\check{o}\check{A}\check{o}\check{a}$   $\check{g}\acute{A}\check{Q}\check{E}\check{U}$   $\mathfrak{d}\eta$   $\check{O}\eta$  10  $\mathfrak{8}\acute{A}\check{R}\check{I}$   
 .(142  $\check{G}\check{H}\acute{A}\check{O}\check{o}\check{a}$   $\acute{U}\check{I}$   $\acute{A}\acute{E}\check{Y}\check{O}\check{a}$ )  $\mathfrak{A}$   $\check{G}\check{O}\acute{A}\check{U}\check{o}\check{a}$   $\acute{U}$ "Non-aqueous titration  $\mathfrak{U}\check{o}\acute{A}\eta\check{Y}\check{o}\check{a}$   $\acute{U}\grave{e}\check{Z}\check{o}\check{a}$   $\check{Z}$   $\mathfrak{g}\acute{A}\acute{A}\check{H}\check{t}\check{J}\check{a}$ "  $\mathfrak{J}\acute{a}\check{Z}\check{I}\mathfrak{Z}$   $\check{K}\check{O}$   $\mathfrak{8}\check{Z}\check{o}\check{Z}\eta$   
 $\text{C}_{20}\text{H}_{31}\text{NO},\text{HCl}$   $\mathfrak{d}\eta$   $\eta\check{I}\eta$  33.79  $\acute{U}\check{Z},\acute{A}\check{O}\check{I}$  vs ( $\acute{o}/\acute{o}\check{Z}\eta$  0.1)  $\check{O}\acute{\lambda}\check{O}\check{Z}\check{I}\check{D}\check{K}\check{G}\check{o}\check{a}$   $\check{R}\check{\mathfrak{p}}$   $\mathfrak{d}\eta$   $\check{O}\eta$  1  $\check{O}\check{O}$

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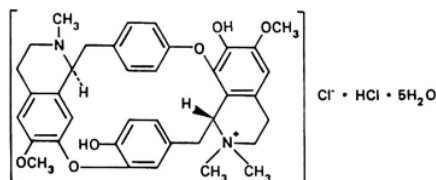
## TUBOCURARINI CHLORIDUM

Tubocurarine Chloride  $\check{D}\check{Z}\check{I}\check{\mathfrak{p}}\check{\mathfrak{e}}\check{\mathfrak{f}}\check{\mathfrak{N}}\check{J}\check{I}\check{\mathfrak{N}}\check{G}\check{\mathfrak{N}}\check{J}\check{H}\check{E}$   $\mathfrak{q}\check{I}\check{\mathfrak{p}}\check{\mathfrak{N}}\check{J}\check{I}$

$\text{C}_{37}\text{H}_{41}\text{ClN}_2\text{O}_6,\text{HCl},5\text{H}_2\text{O}$ :Molecular formula  $\check{G}\acute{E}\acute{A}\acute{A}\check{Z}\check{a}$   $\check{G}\check{8}\acute{E}\check{O}\check{o}\check{a}$

771.7 :Relative molecular mass  $\check{G}\acute{E}\check{G}\acute{E}\acute{A}\check{o}\check{a}$   $\check{G}\acute{E}\acute{A}\acute{A}\check{Z}\check{a}$   $\check{G}\check{Y}\check{Q}\check{O}\check{o}\check{a}$

:Graphic formula  $\check{G}\check{E}\check{q}\acute{A}\check{E}\check{G}\check{t}\check{a}$   $\check{G}\check{8}\acute{E}\check{O}\check{o}\check{a}$



:Chemical name : $\mathfrak{U}\check{o}\acute{A}\acute{E}\check{t}\check{E}\check{O}\check{o}\check{a}$   $\check{I}\grave{e}\mathfrak{F}\check{a}$

(+)-Tubocurarine chloride hydrochloride, pentahydrate; 7',12'-dihydroxy-6,6'-dimethoxy-2,2',2'-trimethyltubocuraranium chloride hydrochloride pentahydrate; CAS Reg. No. 6989-98-6 (pentahydrate).

$\check{G}\check{H}\check{o}\check{a}\check{A}\check{o}\check{a}$   $\check{C}\acute{A}\check{Z}$   $\check{U}\acute{A}\acute{A}\check{O}\eta$   $\check{R}\check{E}\check{a}\acute{I}$   $\mathfrak{s}\acute{I}$   $\check{R}\check{E}\check{a}\acute{I}$   $\mathfrak{B}\acute{o}\check{Z}\check{Y}\check{a}$   $\acute{a}\check{Z}\check{H}\check{E}\eta$  :Description  $\mathfrak{Z}\check{o}\check{Z}\check{o}\check{a}$











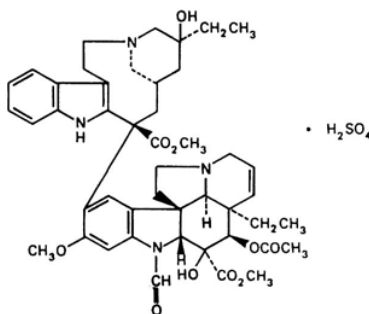
## VINCRISTIN SULFAS

**Vincristin sulfate**  $\text{C}_{46}\text{H}_{56}\text{N}_4\text{O}_{10} \cdot \text{H}_2\text{SO}_4$

$\text{C}_{46}\text{H}_{56}\text{N}_4\text{O}_{10} \cdot \text{H}_2\text{SO}_4$  : **Molecular formula**

923.0 : **Relative molecular mass**

: **Graphic formula**



: **Chemical name**

Leurocristine sulfate (1 : 1) (salt); 22-oxovincalcaleukoblastine sulfate (1 : 1) (salt); CAS Reg. No. 2068-78-2.

: **Description**

: **Solubility**

: **Category**

: **Storage**

: **Additional information**

: **Additional information**

: **Additional information**

: **Additional information**

### REQUIREMENTS

: **General requirement**

: **General requirement**

: **Identity test**



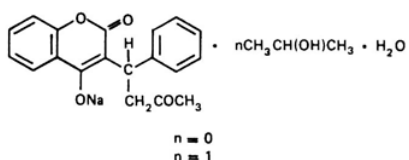
## WARFARINUM NATRICUM

Warfarin sodium

$C_{19}H_{15}NaO_4$ ;  $C_{19}H_{15}NaO_4 \cdot C_3H_8O \cdot H_2O$  (Hyclate) :Molecular formula

330.3; 408.4 (Hyclate) :Relative molecular mass

:Graphic formula



:Chemical name

3-( $\alpha$ -Acetylbenzyl)-4-hydroxycoumarin sodium salt; 4-hydroxy-3-(3-oxo-1-phenylbutyl)-2H-1-benzopyran-2-one sodium salt; CAS Reg. No. 129-06-6.

3-( $\alpha$ -Acetylbenzyl)-4-hydroxycoumarin sodium salt compound with 2-propanol monohydrate; 4-hydroxy-3-(3-oxo-1-phenylbutyl)-2H-benzopyran-2-one sodium salt 2-propanol monohydrate.

:Description

:Solubility

.R

:Category

:Storage

:Labelling

.clathrate form

Additional information:

### REQUIREMENTS

:General requirement

**Identity test**  $h\ddot{u}iNjNj\ddot{u}i\ddot{e}$  ɪ ɛpʃɛtʃɛ

ḠāiēÄā 3tθ ŪTs (ó/ħ70~) ŌlózĩōsóÄTā R̥p dñ Ōñ 1 8iRl ŪōÄtā dñ Ōñ 25 Ž ĥ 0.1 āāŌl :A  
ḠDžā .°y 105 gōāġ ḠDžāÄ Ġāiēžōā ZÄθs ŪōÄtā ŌĒ8k Ū(c óāqñrā ŌDžl dñ ḠġāiÄā ŠAO) ḠHuÄñ 2ŷ3  
.(B óāqñrā ŌDžl dñ Ḡāiēžōā ŠAO) .(dōÄzōs) °y 162 óÄTŌrā

ĠŌŮĀŋ Ž ŮazŔōā ZŔŮōā āĀē" jĭzŦ ŽŦ 8zðzŋ zŦ Ātō A ōĀqŋŕĀ Ā ĀŦŦŦ ŌŌŮŮĒŦ ĠŌĀŦōā ŌŮĀĤ :B  
 ī ĀŌŮā ZŮ ŮĀĀŮĀ .(43 ĠŮĀŌō Ůī ĀŮŌā) "Spectrophotometry in the infrared region ōĀĀŦŦā ŽŦ ĠŮĭ j ā  
 .ŋĀŦōāzŦ ŮĤŦĀŦā ZŮōā 3ŋ Ůī RS ŋĀŦōāzŦ ŋ 3 jĭĀĀā ZŮōā 3ŋ ōĀĀŦā ŽŦ ĠŮĭ j ā  
 ĠŮĀŦōā 8 ĀĀŮĒŦ ġōōĀqŋā" jĭzŦ ŽŦ 8zðzŦ B Ō3ĀĀōā A ōzŮ+Ā ĀŦŦŦ ŌŌŮŮĒŦ ĠĠĀĀōā ŮŮĤĤ :C  
 .(123 ĠŮĀŌō Ůī ĀŮŌā) ŮŦĀŦŮŮ ŀĀtō "General identification tests

B0 8 ÅRΛ .GÏÀλs ŪTs (ó/h̄ 1000~) ŌΛQqōā R̄p dη Ōη 5 8 ÅRΛ Ūōt̄ā dη Ōη 10 Ž ħ 1 ā āŌΛ :D  
 clathrate ŌūIt̄ā CĀḡs ŪEāēā 5 gĀt̄ žĀλs vs (ò/òzη 0.0167) ŷzĀzŌōā ḡĀηsĀō ŪĀq̄ dη Ōη 2 ḠḡīĀāā  
 .ĀĀĒĀn ĀĀRŪ áóāū Āāzō ŪŪĤĀ

Clarity and colour of solution

[illegible][illegible]

10 Ž ŮĖžŮĖŮĖ ĞŮžŮžŮ Ůĥ 1.25 āāā :Absorbance in alkaline solution BžŮŮā ōžŮ+ā Ž ī ĥŮāā  
ĠŮĠ ī ĤŮ ĠŮĖā 15 ōŮñ āāāŮ ŮĠīŮ āĤŮ ōŮñ đŮ ĠĤĤ ŮŮ (ō/ĥ 50) ŷžĤāŮāā āēēŮŮāēē đŮ ŮŮ





ÖlözVöşóÁETā Rēu āāšā ŪTS (ó/h750~) ózqÁqš óÁtā NēVt3 āāšā Kd :Solubility JĀšóōā  
 .TS (ó/h70~)

.āāzō NēHrēz ŪtĤQĒL óÁQĤ Rēā :Category ZĒÁQōā

.NēEDZ ŪV8ŋ Ġšġ Ž ŪÁōā ÁEĒō ŠÁg Ēz :Storage dĀÁQōā

.ōāzTā dŋ JzĀÁōā ÁEĒō ŪāĤ NēzóÁĤ ŪÁōā ÁEĒō ŪQ :Additional information ĠzĀr ā ġĤzVĤŋ

# REQUIREMENTS KĤŪŪKdZf

%100.5 d3 ÁĀĀ fš %99.0 d3 ŪŪ fĤ zV ŪÁōā ÁEĒō BzQZ :General requirement yĀĤōā ÁEŪŪtā  
 .NDZāĪŪ (ŪVĤĪt) gĤĤtā BŪ tZDZĀōā ĠzĒET ŪZnO dŋ

:Identity test hŪNŪŪ lēpfĤŪ

.ÁĀQōā ĀĀōjĀ JzVōā óšĀ J Ū ŪĀĀ ŪgĀtā dŋ ŪVē ōāĒŋ gĒĪ dĀĒĀ :A

ÁEĤēšKz dŋ Ūŋ 0.15 8ĀĒĀ ŪTS (ó/h 70~) ŪlözVöşóÁETā Rē dŋ Ūŋ 2.0 Ž Ūŋ 20 āāŪ :B

.gĀRŪ ōĀRē ĠāēŪ ŪŪĪŪ ŪTS (ó/h 45) yzēĀĤōā

Ātō 3ĀĀŪ ŪTS (ó/h 70~) ŪlözVöşóÁETā Rē dŋ Ūŋ 35 Ž Ĥ 1.6 dŋ ózVŪ ŪtĤQĒL .Arsenic NēŪŪōā

f Ū(130 ĠĤĀŪŪ Ū1 ÁVŪ) . "Limit test for arsenic NēŪŪōā ŪDZj BĀΣā ōĀQŪf" JĀz3 KŌ 8zōzŋ zĒ

.Ĥ/yāĀqšĀŪŋ 6 dŋ ĀŪŪŪ NēŪŪōā dŋ 2zŪ+ā JzŪĀ

10 3ŋ 2.0 ŽĀ :Carbonates and acid-insoluble substances RēΣĀ Ġāšóōā Kd āāztāš ġĤzĀĀŪŪ

f ŪĀŪĒtĀ ŪĀĤŪŪ 3ŋ ŪĤŋ yĀf Ž dĀĒēš ŪTS (ó/h100~) ŪlözÁVĒōā Rē dŋ Ūŋ 30 8ĀĒĀ ŪŪtā dŋ Ūŋ

.JzVōā CĒ3š 8Āō jĤĀōā ózŪ+āš Jšōz qĒ3

ózŪ+ā ŪĤĤĀ .Ūtā dŋ Ūŋ 30š TS (ó/h250~) ŪlözVöşóÁETā Rē dŋ Ūŋ 5 Ž Ĥ 0.20 āāŪ .Iron ÁĀΣā

ÁĀĀ f .(129 ĠĤĀŪŪ Ū1 ÁVŪ) "Limit test for iron ÁĀΣā ŪDZj BĀΣā ōĀQŪf" JĀz3 KŌ 8zōzŋ zĒ Ātō

.yāĀq/yāĀqšĀŪŋ 200 d3

ŪR ŪDzVŪŪ ŪŪējĀ Rē dŋ Ūŋ 5 8ĀĒĀ ŪNēEDZ ŪĀŪ ŪŪtā dŋ Ūŋ 20 BŪ Ĥ 2 8ĀĒĀ .Lead ĪĀŪŪ

jŪĀ f ŪTS (ó/h 100) yzēĀĤōā ġĤŋšĀŪ dŋ Ūŋ 0.25 8ĀĒĀ Ž .ózŪ+ā ĀŪŪŪ 2ŪŪŪ ŪĤŋ yĀf zV ŪzĀš

.ĠāēŪ šŪ ŪŪŪ

ĀŪŪŪ JzŪĀ f ŪŪ 500 gōĀġ ĠDZŪĒ KĀŪ Jāš BŪ Ĥ1.0 (ŪĤĪ) ÁĤĀ .Loss on ignition ÁEŋĀŪŪŪ ÁŪŪŪ

. $\check{h}/\eta_{10}$   $\check{A}\check{z}\check{O}\check{I}$

TS  $\acute{o}z_{\mathfrak{q}\check{A}\check{z}\mathfrak{A}\mathfrak{q}\check{a}}/k_{\check{A}\check{o}\check{A}\check{z}}$   $\acute{o}z_{\check{A}\check{E}\check{A}\check{o}\check{a}}$   $\check{O}\eta$  0.1  $8\check{A}\check{R}\mathfrak{A}$   $\acute{U}\mathfrak{d}\check{h}\check{A}\check{E}\check{o}\check{a}$   $\acute{o}\check{A}\mathfrak{t}\check{a}$   $\check{O}\eta$  10  $\check{Z}$   $\check{h}_1$   $\check{z}\check{A}\check{\Sigma}$  .Alkalinity  $\check{G}\mathfrak{A}\check{z}\check{Y}\check{O}\check{o}\check{a}$   
 $\mathfrak{z}\check{\theta}\check{Q}\check{g}$  vs ( $\acute{o}/\acute{o}z\eta$  0.1)  $\check{O}\mathfrak{A}\acute{o}\check{z}\check{Y}\check{O}\check{s}\acute{o}\check{A}\check{E}\check{T}\check{a}$   $\check{R}\check{\mathfrak{p}}$   $\check{O}\eta$  0.3  $\check{A}\check{z}\check{O}\check{I}$   $\check{A}\check{E}\check{Y}\check{O}\mathfrak{q}\mathfrak{A}$   $\mathfrak{r}$   $\acute{o}\check{a}\check{A}\check{\mathfrak{p}}$   $\check{G}\check{g}\check{A}\check{I}\check{A}\check{o}\check{a}$   $\check{K}\mathfrak{q}\check{A}\check{O}$   $\check{a}\check{a}\acute{U}$   $\check{U}\check{G}\check{I}\check{A}\mathfrak{A}\check{\Sigma}$   
 $\cdot J\check{z}\check{Y}\check{o}\check{a}$   $\acute{o}\check{s}\check{A}\mathfrak{A}$

TS ( $\acute{o}/\check{h}$  120~)  $\check{O}\mathfrak{q}\mathfrak{E}\check{e}\mathfrak{j}\check{a}$   $\check{R}\check{\mathfrak{p}}$   $\check{O}\eta$  10  $\check{Z}$   $\acute{U}\check{G}\check{E}\check{r}\check{z}\check{G}\check{R}\eta$   $\check{G}\mathfrak{q}\check{s}\check{a}\check{z}\eta$   $\acute{U}\check{h}$  0.15  $\check{G}\check{a}\check{a}\check{A}\mathfrak{e}$   $\check{a}$   $\check{a}\check{O}\mathfrak{A}$  :Assay  $\check{G}\check{E}\mathfrak{A}\check{A}\check{O}\check{t}\check{a}$   
 $\check{G}\check{H}\check{A}\check{O}\check{o}\check{a}$   $\acute{U}_1$   $\check{A}\check{Y}\check{O}\check{a}$ ) "Complexometric titrations  $\check{g}\check{a}\check{A}\check{E}\check{O}\check{H}\mathfrak{t}\check{a}$   $\check{a}\check{A}\check{E}\check{O}\eta$   $\check{g}\check{a}\check{A}\check{A}\check{H}\mathfrak{t}\check{a}$ "  $J\check{a}\check{z}\mathfrak{A}\check{z}$   $\check{K}\check{O}$   $\mathfrak{B}\check{z}\check{o}\check{z}\eta$   $\check{z}\check{L}$   $\check{A}\check{t}\check{O}$   $\check{A}\check{A}\check{H}\mathfrak{A}\check{\Sigma}$   
 $\cdot \text{ZnO}$   $\eta_{10}$  4.069  $\check{u}\check{z}\check{A}\check{O}\check{k}$  vs ( $\acute{o}/\acute{o}z\eta$  0.05)  $\check{y}\check{z}\mathfrak{A}\acute{a}\check{z}\check{O}\check{o}\check{a}$   $\mathfrak{U}\check{a}\check{A}\mathfrak{q}$   $\check{g}\check{A}\mathfrak{q}\mathfrak{A}\check{E}\mathfrak{A}\check{U}$   $\check{O}\eta$   $\check{A}\mathfrak{Q}\check{o}$   $\mathfrak{U}\check{Y}\mathfrak{E}\eta$   $\check{O}\check{O}$  .(135



ಹಿಡ್ಲಾಠೀ ಁಫಠಢೀನಿ ಫಘಿಠೀ ಁಫಠಢೀ ಂ ಲೀನಿ ಲೀ ಹಢೀಫಃ

**LIST OF REAGENTS, TEST SOLUTIONS,  
AND VOLUMETRIC SOLUTIONS**





:TS Ů4.7 ōĤĤĤ Ů(Acetate buffer) ġĤĤĤĤ ĤĤĤĤĤ  
 ŘĤ ĤĤ ŮĤ 3.35 8ĤĤĤ ŮĤĤĤ ĤĤ ŮĤ 100 Ž R ŷĤĤĤŮĤ ġĤĤĤĤ ĤĤ Ĥ 8.4 āĤŮ :procedure ōĤĤĤĤ  
 .ōĤĤĤ ŮĤ 1000 ĤŮ ŽĤĤ ŮŽĤ ŮĤĤĤĤ ŮĤĤĤĤ

:TS Ů5.0 ōĤĤĤ Ů(Acetate buffer) ġĤĤĤĤ ĤĤĤĤĤ  
 ŘĤ ĤĤ ŮĤ 6 8ĤĤĤ ŮĤĤĤ ĤĤ ŮĤ 100 Ž R ŷĤĤĤŮĤ ġĤĤĤĤ ĤĤ Ĥ 13.6 āĤŮ :procedure ōĤĤĤĤ  
 .ōĤĤĤ ŮĤ 1000 ĤŮ ŽĤ ŮŽĤ ŮĤĤĤĤ ŮĤĤĤĤ

:TS Ů5.5 ōĤĤĤ Ů(Acetate buffer) ġĤĤĤĤ ĤĤĤĤĤ  
 Ůŷ 35 ĤĤĤĤĤ ĤŮ ĤĤĤ ŮĤĤĤ ĤĤ ŮĤ 50 Ž R ŷĤĤĤŮĤ ġĤĤĤĤ ĤĤ Ĥ 54.4 āĤŮ :procedure ōĤĤĤĤ  
 .ōĤĤĤ ŮĤ 1000 ĤŮ ŽĤĤ ĤĤ .R ŮĤĤĤ ŮĤĤĤĤ ŘĤ ĤĤ ŮĤ 10 ōŮĤ 8ĤĤĤ ĤĤĤĤĤ ĤĤĤ .ġŮĤĤĤĤ ĤĤ

ĤĤ ĤĤĤ ĤŮ ōĤĤĤ ŽĤ ŮTS (ō/Ĥ300~) ŮĤĤĤĤ ŘĤ :TS (ō/Ĥ120~) Acetic acid ŮĤĤĤĤ ŘĤ  
 .d~1.016 ŮĤĤĤ ō/ōĤ 2) ĤŮĤ Ž Ĥ120 ĤŮĤ C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>

ĤĤ ĤĤĤ ĤŮ ōĤĤĤ ŽĤ ŮTS (ō/Ĥ300~) ŮĤĤĤĤ ŘĤ :TS (ō/Ĥ90~) Acetic acid ŮĤĤĤĤ ŘĤ  
 .(ĤĤĤĤ ō/ōĤ 1.5) ĤŮĤ Ž Ĥ 90 ĤŮĤ C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>

ĤĤ ĤĤĤ ĤŮ ōĤĤĤ ŽĤ ŮTS (ō/Ĥ300~) ŮĤĤĤĤ ŘĤ :TS (ō/Ĥ5.0) Acetic acid ŮĤĤĤĤ ŘĤ  
 .d~1.0007 ŮĤĤĤ Ž Ĥ 5.0 ĤŮĤ C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>

ĤĤĤĤ ĤĤĤĤĤ ĤĤĤĤĤ ĤĤĤĤ :RS (Amloride hydrochloride) ĤĤĤĤĤ ĤĤĤĤĤĤĤĤ  
 ŮĤĤĤ-5-ĤŮĤĤĤĤ-3-ŮĤĤĤ-1-ŮĤĤĤĤ ĤĤĤĤ-3Ů2-ĤĤĤĤĤ-4 .C<sub>11</sub>H<sub>13</sub>NO<sub>3</sub> :R (4-Aminoantipyrine) ĤĤĤ ŮŮĤ ĤĤĤĤĤ-4  
 .aminopyrazolone ĤĤĤĤĤĤĤĤ Ůampyrone ĤĤĤĤĤ

.āĤĤĤĤĤ ĤĤĤĤĤ ōĤĤĤ ġĤĤĤĤ :Description ŽŮĤĤ  
 Ž ĤĤĤ ĤĤĤĤĤ ĤĤĤĤ ŮTS (ō/Ĥ750~) ōĤĤĤĤ Ž ĤĤĤĤĤ ĤĤ ŮĤĤĤ Ž ĤĤĤĤĤ ŮĤĤ :Solubility ĤĤĤĤĤ  
 .R ĤĤĤ

.ĤĤĤĤ ŷ 108 :Melting temperature ōĤĤĤĤĤ ĤĤĤĤĤ

:TS1 (4- Aminoantipyrine) ĤĤĤ ŮŮĤ ĤĤĤĤĤ-4  
 ŮĤ 0.25 ŮĤ ĤĤĤ ōĤĤĤĤ ĤĤ ŮĤ 25 Ž R ĤĤĤ ŮŮĤ ĤĤĤĤĤ-4 ĤĤ Ĥ0.125 āĤŮ :Procedure ōĤĤĤĤ  
 .TS (ō/Ĥ420~) ŮĤĤĤĤĤĤĤ ŘĤ

**:TS2 (4-Aminoantipyrine) Ծառ Եթ զոյ շաղկ-4**

Օն 10 Ծոյ յԱն 8ԱՐԼՏ օճԷ Ծոյ Օն 30 Շ Ր Ծառ Եթ զոյ շաղկ 4 Ծոյ ի0.1 ԳճԱԷ Ե՛ՅՈՒ :Procedure օճԱԾԶԳճ  
 ԳԷԶԻՃ ԳԷԷՕճ ԶԱՇ ՍՎՏ (օ/օշոն 1) յշԼճԶՕճ ԷԷԷՃՏՃՃԷԷ Ծոյ Օն 2Տ (օ/հ200) յշԼճԶՕճ ցճԳԶԱՃ Ծոյ  
 .Օն 100 ՅԱՐԳ օճԷ Ծոյ  
 .ՈԾԶԱՅՈՒ Ծառ Եթ զոյ շաղկ-4 ԱՐՅ յ՛ ԷԶ :ՇԴԳԿ

**.C<sub>3</sub>H<sub>3</sub>N<sub>3</sub>O<sub>2</sub>S :R (2-Amino-5-nitrothiazole) ՕճԱԷՃՏՃՃԷԷ-5-շաղկ-2**

.ԵԱՕԿԱճ ԱՅՈՒ Ե՛ ԱՐՍ՝ ԱՅՈՒ fluffy ՇԻՆ՝ ճՀԷԷ :Description ՇՅՅ՛  
 Շ յԱՏՕճ ԳԷԷ՛ ՍԳԱԱՅ՛ ԳԷԷԷ՛ օշԷՏ՛ Շ Եճճ յԱՏՕճ ԳԷԷ՛ :Solubility ԳԷԷճՕ՛  
 .R յՅԶԶՏՃՃՕ՛ Շ ՈՅԷՅ՛ Ե՛ Եճճ Բ ՍՐ ԿՅ՛ճ ՏՏ (օ/հ750~) օշԳՅ՛ԼԳ՛  
 .ՕՕԱՐճ 3ոյ օյ 198 :Melting temperature օճԴՕԲԷ՛ ԾՈՅճ՛

**.C<sub>6</sub>H<sub>7</sub>NO :R (4-Aminophenol) ՕշԷԶԶԷԷ՛-4**

.ՈԳԱՕԿ ՐԷՅ՛ Տ՛ ՐԷՅ՛ ԵՅՅ՛ ճՀԷԷ :Description ՇՅՅ՛  
 .ՕՕԱՐճ 3ոյ ՈԳԱՕԿ օյ 184 :Melting temperature օճԴՕԲԷ՛ ԾՈՅճ՛  
 ԱՐՅճ Շ ի 50 ՈՅԳ՛ NH<sub>3</sub> Ծոյ ՔԶՐԵ Ե՛ օճԷ՛ ՏՏ (օ/հ260~) ԱԷԶԶ՛ ՇԱՅ :TS (օ/հ50~) Ammonia ԱԷԶԶ՛  
 .d~0.977 Ս(ՈԳԱՕԿ օ/օշոն 3)

**:TS2 (Ammonia buffer) ԱԷԶԶ՛ Գճճ՛**

ԶԱՇՏ ՏՏ (օ/հ260~) ԱԷԶԶ՛ Ծոյ Օն 650 Շ Ր յԶԶԶ՛ ԷԼՅՅ՛ Ծոյ ի 67.5 Ե՛ՅՈՒ :Procedure օճԱԾԶԳճ  
 .Օն 1000 յՐԼ ՔՅՅ՛ օճԷ՛  
 Ծոյ ի 100 ՔՅՅ՛ ԲԶՅ՛ Ր յԶԶ՛ ցճԷ՛ օշԷ՛ :TS (օ/հ100) Ammonium acetate յԶԶ՛ ցճԷ՛  
 .ԱՐՅճ Շ C<sub>2</sub>H<sub>7</sub>NO<sub>2</sub>

Ծոյ ի 38.5 ՔՅՅ՛ ԲԶՅ՛ Ր յԶԶ՛ ցճԷ՛ Ծոյ օշԷ՛ :TS (օ/հ40) Ammonium acetate յԶԶ՛ ցճԷ՛  
 .(ՈԳԱՕԿ ԱՐՅճ/ օշոն 0.5) ԱԳԱՕԿ ԱՐՅճ Շ C<sub>2</sub>H<sub>7</sub>NO<sub>2</sub>  
 .ՈԾԶԱՅՈՒ ՏՏ (օ/հ40) յԶԶ՛ ցճԷ՛ ԿՐՕ ԷԶ :Note ՇԴԳԿ

Ծոյ ի 2 ՔՅՅ՛ ԲԶՅ՛ Ր յԶԶ՛ ցճԷ՛ Ծոյ օշԷ՛ :TS (օ/հ2) Ammonium acetate յԶԶ՛ ցճԷ՛  
 .ՈԳԱՕԿ ԱՐՅճ Շ C<sub>2</sub>H<sub>7</sub>NO<sub>2</sub>  
 .ՈԾԶԱՅՈՒ ՏՏ (օ/հ2) յԶԶ՛ ցճԷ՛ ԿՐՕ ԷԶ :Note ՇԴԳԿ



:TS  $\hat{U}4.62$   $\hat{\sigma}^{\hat{A}E\hat{A}}_A$  (Ammonium acetate buffer)  $\bar{y}z\bar{E}qz\eta j\hat{a}$   $\check{g}^{\hat{A}Q\bar{E}\hat{U}} \hat{G}\hat{\sigma}\hat{a}\hat{a}$   
 $\bar{O}\bar{E}q\bar{E}\hat{j}\hat{a}$   $\bar{R}\hat{p}$   $\hat{o}\hat{A}t\hat{H}Q\hat{E}\hat{A}\hat{a}$  4.62  $\hat{B}\hat{U}$  TS ( $\hat{o}/\hat{h}100$ )  $\bar{y}z\bar{E}qz\eta j\hat{a}$   $\check{g}^{\hat{A}Q\bar{E}\hat{U}} \hat{\sigma}^{\hat{A}E\hat{A}}_A$   $\hat{G}\hat{H}\hat{O}\hat{I}$  :Procedure  $\hat{o}\hat{a}\hat{D}Zq\hat{f}$   
 $\hat{.TS}$  ( $\hat{o}/\hat{h}60\sim$ )

:TS (Ammonium mercurithiocyanate)  $\bar{y}z\bar{E}qz\eta j\hat{a}$   $\bar{E}\hat{G}\hat{a}$   $\check{g}^{\hat{A}Q\bar{E}\hat{U}} \hat{E}\hat{z}\hat{E}\hat{q}$   
 $\hat{d}\eta \hat{G}\hat{E}z\hat{A}\hat{O}$   $\hat{G}\hat{E}t\hat{O}$   $\hat{Z}$   $\hat{R}$   $\bar{O}\bar{E}\hat{O}\hat{G}\hat{a}\hat{A}\hat{O}\hat{a}$   $\hat{A}\hat{E}\hat{\sigma}z\hat{Y}\hat{O}$   $\hat{d}\eta \hat{h}$  27 $\hat{s}$   $\hat{R}$   $\bar{y}z\bar{E}qz\eta j\hat{a}$   $\check{g}^{\hat{A}Q\bar{E}\hat{U}} \hat{E}\hat{z}\hat{E}\hat{q}$   $\hat{d}\eta \hat{h}$  30  $\hat{a}\hat{a}\hat{O}\hat{I}$  :procedure  $\hat{o}\hat{a}\hat{D}Zq\hat{f}$   
 $\hat{.O}\hat{\eta}$  1000  $\hat{Z}\hat{A}Q\hat{p}q$   $\hat{o}\hat{A}t\hat{a}$

:TS (Ammonium molybdate/sulfuric acid)  $\bar{O}\hat{\sigma}z\hat{A}\hat{Y}\hat{E}\hat{O}\hat{a}$   $\bar{R}\hat{p}/\bar{y}z\bar{E}qz\eta j\hat{a}$   $\check{g}^{\hat{A}\hat{E}\hat{G}\hat{E}\hat{O}z\eta} \hat{E}\hat{z}\hat{E}\hat{q}$   
 $\bar{O}\hat{\sigma}z\hat{A}\hat{Y}\hat{E}\hat{O}\hat{a}$   $\bar{R}\hat{p}$   $\hat{d}\eta \hat{G}\hat{E}z\hat{A}\hat{O}$   $\hat{G}\hat{E}t\hat{O}$   $\hat{Z}$   $\hat{R}$   $\bar{y}z\bar{E}qz\eta j\hat{a}$   $\check{g}^{\hat{A}\hat{E}\hat{G}\hat{E}\hat{O}z\eta} \hat{E}\hat{z}\hat{E}\hat{q}$   $\hat{d}\eta \hat{h}$  0.5  $\hat{a}\hat{a}\hat{O}\hat{I}$  :Procedure  $\hat{o}\hat{a}\hat{D}Zq\hat{f}$   
 $\hat{.O}\hat{\eta}$  10  $\hat{Z}\hat{A}Q\hat{p}q$  TS ( $\hat{o}/\hat{h}1760\sim$ )

:TS (Ammonium molybdate/vanadate)  $\check{g}^{\hat{A}\hat{A}\hat{Q}\hat{H}z/\bar{y}z\bar{E}qz\eta j\hat{a}} \check{g}^{\hat{A}\hat{E}\hat{G}\hat{E}\hat{O}z\eta} \hat{E}\hat{z}\hat{E}\hat{q}$   
 $\hat{R}$   $\bar{y}z\bar{E}qz\eta j\hat{a}$   $\check{g}^{\hat{A}\hat{A}\hat{Q}\hat{H}z} \hat{d}\eta \hat{h}$  0.1 $\hat{s}$   $\hat{G}\hat{E}z\hat{A}\hat{A}\hat{O}\hat{a}$   $\hat{G}\hat{E}z\hat{H}\hat{E}\hat{t}\hat{a}$   $\hat{R}$   $\bar{y}z\bar{E}qz\eta j\hat{a}$   $\check{g}^{\hat{A}\hat{E}\hat{G}\hat{E}\hat{O}z\eta} \hat{E}\hat{z}\hat{E}\hat{q}$   $\hat{d}\eta \hat{h}$  4  $\hat{B}\hat{A}\hat{I}$  :Procedure  $\hat{o}\hat{a}\hat{D}Zq\hat{f}$   
 $\bar{O}\hat{\eta}$  100  $\hat{B}\hat{U}$   $\hat{Z}\hat{A}\hat{E}\hat{Z}$  TS ( $\hat{o}/\hat{h}1000\sim$ )  $\bar{O}\hat{\sigma}z\hat{A}\hat{Y}\hat{E}\hat{O}\hat{a}$   $\bar{R}\hat{p}$   $\hat{d}\eta \bar{O}\hat{\eta}$  20  $\hat{8}\hat{A}\hat{R}\hat{I}$  . $\hat{o}\hat{A}t\hat{a}$   $\hat{d}\eta \bar{O}\hat{\eta}$  70  $\hat{Z}$   $\hat{G}\hat{E}z\hat{A}\hat{A}\hat{O}\hat{a}$   $\hat{G}\hat{E}z\hat{H}\hat{E}\hat{t}\hat{a}$   
 $\hat{.O}\hat{A}t\hat{a}$

.(37  $\hat{G}\hat{H}\hat{A}\hat{O}\hat{O}\hat{a}$   $\hat{U}1963$   $\hat{U}SRIP$ )  $(NH_4)_2S_2O_8$  :R (Ammonium persulfate)  $\bar{y}z\bar{E}qz\eta j\hat{a}$   $\check{g}^{\hat{A}\hat{A}\hat{Y}\hat{E}\hat{K}\hat{a}} \hat{E}\hat{z}\hat{E}\hat{q}$

:TS (Ammonium persulfate/phosphate buffer)  $\check{g}^{\hat{A}\hat{A}\hat{E}\hat{z}\hat{A}\hat{O}\hat{a}} \hat{G}\hat{\sigma}\hat{a}\hat{a}/\bar{y}z\bar{E}qz\eta j\hat{a}$   $\check{g}^{\hat{A}\hat{A}\hat{Y}\hat{E}\hat{K}\hat{a}} \hat{E}\hat{z}\hat{E}\hat{q}$   
 $\hat{Z}\hat{A}Q\hat{p}q$  TS  $\hat{U}7.4$   $\hat{\sigma}^{\hat{A}E\hat{A}}_A$   $\bar{U}\hat{G}\hat{E}z\hat{A}\hat{O}$   $\check{g}^{\hat{A}\hat{A}\hat{E}\hat{z}\hat{z}} \hat{G}\hat{\sigma}\hat{a}\hat{a}$   $\hat{Z}$   $\hat{R}$   $\bar{y}z\bar{E}qz\eta j\hat{a}$   $\check{g}^{\hat{A}\hat{A}\hat{Y}\hat{E}\hat{K}\hat{a}} \hat{E}\hat{z}\hat{E}\hat{q}$   $\hat{d}\eta \hat{h}$  10  $\hat{a}\hat{a}\hat{O}\hat{I}$  :Procedure  $\hat{o}\hat{a}\hat{D}Zq\hat{f}$   
 $\hat{.O}\hat{\eta}$  100

.(39  $\hat{G}\hat{H}\hat{A}\hat{O}\hat{O}\hat{a}$   $\hat{U}1963$   $\hat{U}SRIP$ )  $NH_4[Cr(NH_3)_2(SCN)_4]\cdot H_2O$  :R (Ammonium reineckate)  $\bar{y}z\bar{E}qz\eta j\hat{a}$   $\check{g}^{\hat{A}\hat{O}\hat{E}\hat{A}\hat{O}}$   
 $\hat{d}\eta \hat{h}$  10  $\hat{z}\hat{Y}z$   $\hat{B}z\hat{Q}z$   $\hat{R}$   $\bar{y}z\bar{E}qz\eta j\hat{a}$   $\check{g}^{\hat{A}\hat{O}\hat{E}\hat{A}\hat{O}} \hat{o}z\hat{Y}T$  :TS ( $\hat{o}/\hat{h}10$ ) Ammonium reineckate  $\bar{y}z\bar{E}qz\eta j\hat{a}$   $\check{g}^{\hat{A}\hat{O}\hat{E}\hat{A}\hat{O}}$   
 $\hat{.A}\hat{Q}\hat{Y}\hat{O}\hat{a}$   $\hat{Z}$   $NH_4[Cr(NH_3)_2(SCN)_4]$

$\hat{d}\eta \hat{h}$  50  $\hat{z}\hat{Y}z$   $\hat{B}z\hat{Q}z$   $\hat{R}$   $\bar{y}z\bar{E}qz\eta j\hat{a}$   $\check{g}^{\hat{A}\hat{\eta}\hat{A}\hat{A}\hat{Y}\hat{E}} \hat{o}z\hat{Y}T$  :TS ( $\hat{o}/\hat{h}50$ ) Ammonium sulfamate  $\bar{y}z\bar{E}qz\eta j\hat{a}$   $\check{g}^{\hat{A}\hat{\eta}\hat{A}\hat{A}\hat{Y}\hat{E}}$   
 $\hat{.A}\hat{Q}\hat{Y}\hat{O}\hat{a}$   $\hat{Z}$   $NH_4OSO_2NH_2$

:TS Ammonium sulfide  $\bar{y}z\bar{E}qz\eta j\hat{a}$   $\hat{A}\hat{E}\hat{A}\hat{Y}\hat{E}$   
 25  $\hat{B}\hat{U}$   $\hat{8}\hat{A}\hat{R}\hat{I}$  .TS ( $\hat{o}/\hat{h}100\sim$ )  $\hat{A}\hat{E}qz\eta j\hat{a}$   $\hat{Z}$   $\hat{R}$   $\hat{K}DZ\hat{\sigma}\hat{A}\hat{E}T\hat{a}$   $\hat{A}\hat{E}\hat{A}\hat{Y}\hat{E}$   $\hat{d}\eta \hat{Z}\hat{G}\hat{I}\hat{\eta}$   $\hat{o}z\hat{Y}T$   $\hat{A}\hat{R}\hat{Z}$  :Procedure  $\hat{o}\hat{a}\hat{D}Zq\hat{f}$   
 $\hat{.TS}$  ( $\hat{o}/\hat{h}100\sim$ )  $\hat{A}\hat{E}qz\eta j\hat{a}$   $\hat{d}\eta \bar{O}\hat{\eta}$  50  $\hat{o}z\hat{Y}T$   $\hat{d}\eta \bar{O}\hat{\eta}$

**:TS (Ammonium thiocyanate/cobalt(II)nitrate) (II)**  $\text{K}\ddot{\text{O}}\dot{\text{A}}\text{z}\ddot{\text{O}}\ddot{\text{A}}$   $\check{\text{g}}\ddot{\text{A}}\text{Qp}/\bar{\text{y}}\text{z}\text{E}\text{p}\text{z}\text{nj}\ddot{\text{A}}$   $\check{\text{g}}\dot{\text{A}}\text{p}\ddot{\text{E}}\text{z}\text{E}\ddot{\text{Q}}$   
 $\ddot{\text{O}}\eta$  100  $\check{\text{Z}}$  R (II)  $\text{K}\ddot{\text{O}}\dot{\text{A}}\text{z}\ddot{\text{O}}\ddot{\text{A}}$   $\check{\text{g}}\ddot{\text{A}}\text{Qp}$   $\text{d}\eta$   $\check{\text{h}}$  5 $\check{\text{s}}$  R  $\bar{\text{y}}\text{z}\text{E}\text{p}\text{z}\text{nj}\ddot{\text{A}}$   $\check{\text{g}}\dot{\text{A}}\text{p}\ddot{\text{E}}\text{z}\text{E}\ddot{\text{Q}}$   $\text{d}\eta$   $\check{\text{h}}$  20  $\bar{\text{A}}\ddot{\text{O}}\Lambda$  :Procedure  $\check{\text{O}}\ddot{\text{A}}\text{D}\text{Z}\text{q}\check{\text{f}}$   
 $\cdot\ddot{\text{O}}\text{z}\bar{\text{Y}}+\ddot{\text{A}}$   $\text{t}\dot{\text{A}}\text{G}\ddot{\text{I}}\text{q}$  R  $\bar{\text{y}}\text{z}\text{L}\dot{\text{A}}\text{z}\ddot{\text{O}}\ddot{\text{A}}$   $\text{A}\text{L}\ddot{\text{O}}\text{z}\bar{\text{Y}}\ddot{\text{O}}$   $\text{d}\eta$   $\check{\text{G}}\text{E}\text{z}\dot{\text{A}}\ddot{\text{O}}$   $\check{\text{G}}\text{E}\text{t}\ddot{\text{O}}$  8 $\dot{\text{A}}\text{R}\Lambda$  . $\ddot{\text{O}}\dot{\text{A}}\eta$

**.NH<sub>4</sub>VO<sub>3</sub> :R Ammonium vanadate**  $\bar{\text{y}}\text{z}\text{E}\text{p}\text{z}\text{nj}\ddot{\text{A}}$   $\check{\text{g}}\ddot{\text{A}}\dot{\text{A}}\text{p}\dot{\text{A}}\text{z}$   
 $\cdot\check{\text{Q}}\text{E}\dot{\text{A}}\text{G}\ddot{\text{O}}\ddot{\text{A}}$   $\text{g}\ddot{\text{A}}\dot{\text{A}}\ddot{\text{O}}\ddot{\text{A}}$   $\text{B}\ddot{\text{U}}$   $\bar{\text{A}}\ddot{\text{O}}\dot{\text{A}}\ddot{\text{r}}$   $\ddot{\text{R}}\text{E}\ddot{\text{A}}\ddot{\text{U}}$   $\text{B}\ddot{\text{O}}\text{z}\bar{\text{V}}\ddot{\text{A}}$   $\text{A}\text{z}\text{H}\ddot{\text{U}}\text{E}\eta$  :Description  $\text{Z}\ddot{\text{O}}\text{z}\ddot{\text{W}}$   
**.TS (ò/h100~)**  $\text{A}\text{E}\text{p}\text{z}\text{nj}\ddot{\text{A}}$   $\check{\text{Z}}$   $\bar{\text{A}}\ddot{\text{A}}\text{s}\ddot{\text{A}}$   $\ddot{\text{U}}\ddot{\text{O}}\dot{\text{A}}\text{t}\ddot{\text{A}}$   $\check{\text{Z}}$   $\text{J}\dot{\text{A}}\text{s}\ddot{\text{O}}\ddot{\text{A}}$   $\text{G}\text{E}\text{H}\ddot{\text{U}}$  :Solubility  $\check{\text{G}}\text{E}\text{p}\dot{\text{A}}\text{s}\ddot{\text{O}}\ddot{\text{W}}$   
 $\cdot\check{\text{G}}\text{E}\ddot{\text{O}}\text{s}\dot{\text{A}}$   $\check{\text{G}}\text{E}\dot{\text{A}}\text{E}\text{t}\text{E}\ddot{\text{O}}$   $\check{\text{G}}\text{E}\text{H}\text{D}\text{Z}\ddot{\text{A}}\eta$   $\text{g}\dot{\text{A}}\dot{\text{A}}\eta$  :RS (Amodiaquine hydrochloride)  $\text{k}\ddot{\text{O}}\dot{\text{A}}\text{L}\dot{\text{A}}\text{z}\eta\text{J}\ddot{\text{A}}$   $\text{A}\text{L}\ddot{\text{O}}\text{z}\bar{\text{Y}}\ddot{\text{O}}\text{s}\ddot{\text{O}}\text{A}\text{E}\text{E}\text{L}$   
 $\text{O}\ddot{\text{A}}$   $\text{d}\eta$   $\text{Q}\ddot{\text{A}}$   $\text{d}\text{z}\ddot{\text{A}}\ddot{\text{O}}\eta$   $\text{Z}\text{z}\text{V}\text{T}$   $\text{z}\bar{\text{Y}}\text{Z}$   $\text{B}\text{z}\text{V}\text{O}$   $\check{\text{G}}\text{E}\ddot{\text{O}}\text{s}\dot{\text{A}}$   $\check{\text{G}}\text{E}\dot{\text{A}}\text{E}\text{t}\text{E}\ddot{\text{O}}$   $\check{\text{G}}\text{E}\text{H}\text{D}\text{Z}\ddot{\text{A}}\eta$   $\text{g}\dot{\text{A}}\dot{\text{A}}\eta$  :RS (Amphotericin B)  $\bar{\text{A}}$   $\text{k}\text{E}\dot{\text{A}}\text{L}\dot{\text{A}}\check{\text{K}}\text{Z}\text{A}\eta\text{J}\ddot{\text{A}}$   
(Tetraenes

**.C<sub>14</sub>H<sub>10</sub>O :R (Anthrone)**  $\text{J}\text{s}\ddot{\text{A}}\ddot{\text{Z}}\text{p}\text{J}\ddot{\text{A}}$   
 $\cdot\bar{\text{A}}\check{\text{g}}\dot{\text{A}}\ddot{\text{I}}$   $\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{U}}$   $\text{B}\ddot{\text{O}}\text{z}\bar{\text{V}}\ddot{\text{A}}$   $\text{A}\text{z}\text{H}\ddot{\text{U}}\text{E}\eta$  :Description  $\text{Z}\ddot{\text{O}}\text{z}\ddot{\text{W}}$   
 $\ddot{\text{R}}\text{E}\text{p}$   $\check{\text{Z}}\text{s}$  TS (ò/h750~)  $\ddot{\text{O}}\text{z}\text{p}\dot{\text{A}}\ddot{\text{Z}}\text{L}\text{q}\ddot{\text{A}}$   $\check{\text{Z}}$   $\text{J}\dot{\text{A}}\text{s}\ddot{\text{O}}\ddot{\text{A}}$   $\text{G}\text{E}\text{H}\ddot{\text{U}}$   $\ddot{\text{U}}\ddot{\text{O}}\dot{\text{A}}\text{t}\ddot{\text{A}}$   $\check{\text{Z}}$   $\text{W}\text{E}\bar{\text{Y}}\text{t}\text{Z}$   $\bar{\text{A}}\ddot{\text{A}}\text{s}\ddot{\text{A}}$   $\text{f}$  :Solubility  $\check{\text{G}}\text{E}\text{p}\dot{\text{A}}\text{s}\ddot{\text{O}}\ddot{\text{W}}$   
**.TS (ò/h100~)**  $\ddot{\text{O}}\text{L}\ddot{\text{O}}\text{z}\bar{\text{A}}\ddot{\text{I}}\text{E}\ddot{\text{O}}$   
 $\text{d}\eta$   $\ddot{\text{O}}\eta$  10  $\text{B}\ddot{\text{U}}$   $\check{\text{h}}$  0.5 8 $\dot{\text{A}}\text{R}\Lambda$  :R (Solubility in carbon tetrachloride R)  $\text{J}\text{z}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{W}}$   $\text{A}\text{L}\ddot{\text{O}}\text{z}\bar{\text{Y}}\ddot{\text{O}}$   $\text{U}\text{z}\ddot{\text{A}}\ddot{\text{O}}$   $\check{\text{Z}}$   $\check{\text{G}}\text{E}\text{p}\dot{\text{A}}\text{s}\ddot{\text{O}}\ddot{\text{W}}$   
 $\cdot\text{E}\ddot{\text{O}}\ddot{\text{O}}\text{Q}\eta$   $\text{Kd}$  8 $\dot{\text{A}}\ddot{\text{O}}$   $\ddot{\text{O}}\text{z}\bar{\text{Y}}\text{T}$   $\text{J}\text{Q}\Lambda\Lambda$   $\ddot{\text{U}}\text{R}$   $\text{J}\text{z}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{W}}$   $\text{A}\text{L}\ddot{\text{O}}\text{z}\bar{\text{Y}}\ddot{\text{O}}$   $\text{U}\text{z}\ddot{\text{A}}\ddot{\text{O}}$   
 $\cdot^\circ\bar{\text{y}}$  156-154 :Melting range  $\text{O}\dot{\text{A}}\text{T}\ddot{\text{O}}\text{p}\text{f}\ddot{\text{A}}$   $\text{O}\dot{\text{A}}\text{f}$

**:TS (Anthrone)**  $\text{J}\text{s}\ddot{\text{A}}\ddot{\text{Z}}\text{p}\text{J}\ddot{\text{A}}$   
**.TS (ò/h1760~)**  $\ddot{\text{O}}\text{L}\ddot{\text{O}}\text{z}\bar{\text{A}}\ddot{\text{I}}\text{E}\ddot{\text{O}}$   $\ddot{\text{R}}\text{E}\text{p}$   $\text{d}\eta$   $\ddot{\text{O}}\eta$  100  $\check{\text{Z}}$  R  $\text{J}\text{s}\ddot{\text{A}}\ddot{\text{Z}}\text{p}\text{J}\ddot{\text{A}}$   $\text{d}\eta$   $\text{N}\bar{\text{Y}}\eta$  35  $\bar{\text{A}}\ddot{\text{O}}\Lambda$  :Procedure  $\check{\text{O}}\ddot{\text{A}}\text{D}\text{Z}\text{q}\check{\text{f}}$   
 $\cdot\check{\text{G}}\text{E}\ddot{\text{O}}\text{s}\dot{\text{A}}$   $\check{\text{G}}\text{E}\dot{\text{A}}\text{E}\text{t}\text{E}\ddot{\text{O}}$   $\check{\text{G}}\text{E}\text{H}\text{D}\text{Z}\ddot{\text{A}}\eta$   $\text{g}\dot{\text{A}}\dot{\text{A}}\eta$  :RS (Azathioprine)  $\text{d}\Lambda\dot{\text{A}}\text{z}\text{E}\text{p}\ddot{\text{Q}}\ddot{\text{A}}\text{J}\ddot{\text{A}}$   
 $\cdot\check{\text{G}}\text{E}\ddot{\text{O}}\text{s}\dot{\text{A}}$   $\check{\text{G}}\text{E}\dot{\text{A}}\text{E}\text{t}\text{E}\ddot{\text{O}}$   $\check{\text{G}}\text{E}\text{H}\text{D}\text{Z}\ddot{\text{A}}\eta$   $\text{g}\dot{\text{A}}\dot{\text{A}}\eta$  :RS (Bacitracin zinc)  $\text{k}\text{E}\ddot{\text{A}}\text{Q}\text{E}\ddot{\text{E}}\dot{\text{A}}\text{G}\ddot{\text{O}}\ddot{\text{A}}$   $\ddot{\text{O}}\text{p}\ddot{\text{A}}$   
 $\cdot\check{\text{G}}\text{E}\ddot{\text{O}}\text{s}\dot{\text{A}}$   $\check{\text{G}}\text{E}\dot{\text{A}}\text{E}\text{t}\text{E}\ddot{\text{O}}$   $\check{\text{G}}\text{E}\text{H}\text{D}\text{Z}\ddot{\text{A}}\eta$   $\text{g}\dot{\text{A}}\dot{\text{A}}\eta$  :RS (Beclometasone dipropionate)  $\text{J}\text{s}\ddot{\text{A}}\ddot{\text{Q}}\text{E}\eta\ddot{\text{O}}\text{z}\bar{\text{Y}}\ddot{\text{O}}\text{E}\text{G}\ddot{\text{O}}\ddot{\text{A}}$   $\check{\text{g}}\dot{\text{A}}\text{p}\text{z}\text{E}\ddot{\text{A}}\text{s}\text{E}\Lambda\dot{\text{A}}$   
**.C<sub>7</sub>H<sub>8</sub>O :R (Benzyl alcohol)**  $\ddot{\text{O}}\dot{\text{A}}\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{A}}$   $\ddot{\text{O}}\text{z}\text{H}\ddot{\text{U}}\ddot{\text{O}}$   
 $\cdot\text{W}\text{G}\dot{\text{A}}\ddot{\text{O}}\check{\text{K}}$   $\check{\text{G}}\text{H}\ddot{\text{U}}\ddot{\text{A}}\ddot{\text{A}}\ddot{\text{O}}\ddot{\text{A}}$   $\text{C}\dot{\text{A}}\text{Z}$   $\ddot{\text{U}}\text{J}\text{z}\bar{\text{Y}}\ddot{\text{O}}\ddot{\text{A}}$   $\text{C}\dot{\text{A}}\text{Z}$   $\ddot{\text{O}}\ddot{\text{A}}\ddot{\text{E}}$  :Description  $\text{Z}\ddot{\text{O}}\text{z}\ddot{\text{W}}$   
 $\bar{\text{y}}\ddot{\text{O}}\text{z}\text{z}\ddot{\text{O}}\ddot{\text{A}}\text{s}$  TS (ò/h750~)  $\ddot{\text{O}}\text{z}\text{p}\dot{\text{A}}\ddot{\text{Z}}\text{L}\text{q}\ddot{\text{A}}$   $\text{Z}\eta$   $\check{\text{Z}}\dot{\text{A}}\text{t}\bar{\text{Y}}\ddot{\text{O}}$   $\ddot{\text{O}}\ddot{\text{A}}\text{E}$   $\ddot{\text{U}}\ddot{\text{O}}\dot{\text{A}}\text{t}\ddot{\text{A}}$   $\text{d}\eta$   $\ddot{\text{O}}\dot{\text{A}}\text{D}\text{Z}$  25  $\text{Z}\eta$   $\check{\text{Z}}\dot{\text{A}}\text{t}\bar{\text{Y}}\ddot{\text{O}}$   $\ddot{\text{O}}\ddot{\text{A}}\text{E}$  :Miscibility  $\check{\text{G}}\text{E}\text{D}\text{Z}\text{s}\dot{\text{A}}\text{g}\check{\text{f}}$   
**.R**  $\text{K}\ddot{\text{O}}\text{J}\ddot{\text{A}}\text{s}$  R  
 $\cdot\text{W}\text{G}\dot{\text{A}}\ddot{\text{O}}\check{\text{K}}$   $^\circ\bar{\text{y}}$  204 :Boiling temperature  $\text{J}\dot{\text{A}}\text{E}\ddot{\text{O}}\ddot{\text{A}}$   $\check{\text{G}}\text{D}\text{Z}\ddot{\text{O}}\dot{\text{A}}$

.ᄡᄡᄡᄡ ρ<sub>20</sub> = 0/ᄡᄡ 1.05 :Mass density ᄡᄡᄡᄡ ᄡᄡᄡᄡ

.ᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡ :RS (Betamethasone valerate) ᄡᄡᄡᄡᄡᄡ ᄡᄡᄡᄡ

.ᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡ :RS (Biperiden) ᄡᄡᄡᄡᄡᄡ

.ᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡ :RS (Biperiden hydrochloride) ᄡᄡᄡᄡᄡᄡ ᄡᄡᄡᄡᄡᄡ

.(53 ᄡᄡᄡᄡ ᄡ1963 ᄡSRIP) C<sub>4</sub>H<sub>10</sub>O :R (2-Butanol) ᄡᄡᄡᄡᄡ-2

.C<sub>6</sub>H<sub>12</sub>O<sub>2</sub> :R (Butyl acetate) ᄡᄡᄡᄡ ᄡᄡᄡᄡ

.ᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡ ᄡᄡᄡ ᄡᄡᄡ ᄡᄡᄡ :Description ᄡᄡᄡᄡ

.TS (0/ᄡ750~) ᄡᄡᄡᄡᄡ ᄡᄡᄡ ᄡᄡᄡ ᄡᄡᄡ ᄡᄡᄡ :Miscibility ᄡᄡᄡᄡᄡ

.ᄡᄡᄡᄡ ρ<sub>20</sub> = 0/ᄡᄡ 0.88 :Mass density ᄡᄡᄡᄡ ᄡᄡᄡᄡ

:R (Butylated hydroxytoluene) (ᄡᄡᄡᄡ ᄡᄡᄡ ᄡᄡᄡ) ᄡᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡᄡᄡᄡ

2,6-Di-*tert*-butyl-4-methylphenol, C<sub>15</sub>H<sub>24</sub>O

.ᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡ ᄡᄡᄡᄡ :Description ᄡᄡᄡᄡ

ᄡTS (0/ᄡ750~) ᄡᄡᄡᄡᄡ ᄡ ᄡᄡᄡᄡ ᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡ ᄡ :Solubility ᄡᄡᄡᄡᄡ

.ᄡᄡᄡᄡ 0ᄡ 70 :Melting temperature ᄡᄡᄡᄡᄡ ᄡᄡᄡᄡ

.ᄡ/ᄡᄡᄡ 1.0 ᄡ3 ᄡᄡᄡ ᄡ :Sulfated ash ᄡᄡᄡᄡ ᄡᄡᄡᄡ

.ᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡ :RS (Calcium folinate) ᄡᄡᄡᄡᄡ ᄡᄡᄡᄡᄡ

:TS ᄡethanolic ᄡᄡᄡᄡᄡ ᄡ(Ca ᄡᄡ/ᄡᄡᄡᄡᄡᄡ 100) Calcium standard ᄡᄡᄡᄡᄡ ᄡᄡᄡᄡᄡᄡ

ᄡᄡ/ᄡᄡᄡᄡᄡᄡ 10) ᄡᄡᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡ ᄡᄡᄡᄡ ᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡᄡ :Procedure ᄡᄡᄡᄡᄡ

.ᄡᄡ 1000 ᄡᄡᄡᄡ TS (0/ᄡ750~) ᄡᄡᄡᄡᄡ ᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡ ᄡᄡ TS (Ca

:TS (Ca ᄡᄡ/ᄡᄡᄡᄡᄡᄡ 10) Calcium standard ᄡᄡᄡᄡᄡ ᄡᄡᄡᄡᄡᄡ

ᄡᄡᄡᄡᄡ ᄡᄡ ᄡᄡ ᄡᄡ 15 ᄡ R2 ᄡᄡᄡᄡ ᄡᄡᄡᄡᄡ ᄡᄡᄡᄡᄡ ᄡᄡ ᄡᄡ 2.50 ᄡᄡᄡ :Procedure ᄡᄡᄡᄡᄡ

1000 ᄡᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡᄡᄡ ᄡᄡ ᄡᄡ 10.0 ᄡᄡᄡ .(A ᄡᄡᄡᄡ) ᄡᄡ1000 ᄡᄡᄡ ᄡᄡᄡ TS (0/ᄡ300~)

.ᄡᄡ

(62 ᄡᄡᄡᄡ ᄡ1963 ᄡSRIP) CaSO<sub>4</sub>·2H<sub>2</sub>O :R (Calcium sulfate) ᄡᄡᄡᄡᄡ ᄡᄡᄡᄡ

:R (Calcium sulfate, hemihydrate) ᄡᄡᄡᄡ ᄡᄡ ᄡᄡᄡᄡᄡ ᄡᄡᄡᄡ

.CaSO<sub>4</sub>·1/2H<sub>2</sub>O, Plaster of Paris ᄡᄡᄡᄡ ᄡᄡᄡ





.ՇհօճԱՅ Գրահետեօ ՇհԷԾՀԱն ցահն :RS (Colchicine) կԷԷ Իօշօօն  
 50 Շհահն ԶԻՅ ԲշօՅ R (II) ա ԻԽաօն ց ԻԳԷն յ յՏ :TS (օ/հ45) (Copper (II) acetate) (II) ա ԻԽաօն ց ԻԳԷն  
 .ԱՊՎօն Շ C<sub>4</sub>H<sub>6</sub>CuO<sub>4</sub>.H<sub>2</sub>O Բն հ  
 .CuCl<sub>2</sub>.2H<sub>2</sub>O :R (Copper (II) chloride) (II) ա ԻԽաօն Բնօշօն  
 .ԳթօԿօն ԲՍ ԳթօՐ օնԻՐն ԳշՀն ց օշօն :Description Շօշօն  
 .R Կօյն Շ յ Ինօճօն ԳԷԽ՝ ՍԽՏ (օ/հ750~) յշօնՅլԿն Շ ա Ինօն ՍօԻն Շ յ Ինօճօն Ին :Solubility Գրահետեօ  
 :TS (Copper (II) chloride/ammonia) Ինօշօնյն/II) ա ԻԽաօն Բնօշօն  
 Բն Օն 100 ԵԻՐԼ օնԻն Բն Օն 200 Շ R (II) ա ԻԽաօն Բնօշօն Բն հ 22.5 ա ԻՅՈ :Procedure օնԻճօն  
 .TS (օ/հ260~) Ինօշօնյն  
 :TS (Cu Օն/յնԻԿնԻՅՅՅՅ10) Copper standard ԲնօնԻն ա ԻԽաօն  
 ՇԻՇՅ ՍՕն 100 ՇԻԿԿ օնԻն Բն ԳԷՀԻՅ ԳԷԻՅ Շ R (II) ա ԻԽաօն ց ԻԻԻն Բն հ0.393 ա ԻՅՈ :Procedure օնԻճօն  
 .Օն 1000 ՇԻԿԿ յշօնԻն ԻՅՈ Բն Օն 10.0  
 :TS1 (Copper standard) ԲնօնԻն ա ԻԽաօն  
 ԻԲ Բն ԳԷՀԻՅ ԳԷԻՅ Շ ՍԳԷնՀԵՐն ԳթննՀն ՍԽ (II) ա ԻԽաօն ց ԻԻԻն Բն հ 1.965 ա ԻՅՈ :Procedure օնԻճօն  
 .Օն 1000 ՇԻԿԿ vs (օ/շն 0.1) ՕնօշօնՅօնԷԻԻ  
 :TS2 (Copper standard) ա ԻԽաօն օնԻն  
 (օ/շն 0.1) ՕնօշօնՅօնԷԻԻ ԻԽ ՇԻՇ Շն 1000 ԻԽԻԷ ԳԻԾՀց ԲՍ TS1 ա ԻԽաօն օնԻն Բն Օն 3.0 ՕՅՈ  
 .ԱՊօ ԽԻԻն Շ ա ԻԽաօն Բն յնԻԿնԻՅՅՅ 1.5 ԶԻՅ յշօնԻն ԻՅՈ ԲշօՅ .Օն 1000 ՇԻԿԿ vs  
 Բն հ 1 ԶԻՅ ԲշօՅ R (II) ա ԻԽաօն ց ԻԻԻԷօ յշօն :TS (օ/հ1) (Copper (II) sulfate) (II) ա ԻԽաօն ց ԻԻԻն  
 .ԱՊՎօն Շ CuSO<sub>4</sub>  
 .C<sub>21</sub>H<sub>18</sub>O<sub>5</sub>S :R (Cresol red) յնԻԻԻՅՅ ցԻԲ  
 .ԽթԿօն ԲՍ ԻՅՐ ԻԲՍ աշԽԷն :Description Շօշօն  
 ց ԻԷԷԷՅօնԷԻԻ ՕնԻԻն Շ ՏՏ (օ/հ750~) յշօնՅլԿն Շ ա Ինօն ՍօԻն Շ յ Ինօճօն ԳԷԽ՝ :Solubility Գրահետեօ  
 .ԳԱԱԻն ԳԻՀՎՕն  
 :TS (Cresol red/ethanol) յշօնՅլԿն/օնԻԻԻՅՅ ցԻԲ  
 յշԻԻՀՕն ԻԷԷՅօնԷԻԻ Բն Օն 2.65 Յն R յնԻԻԻՅՅ ցԻԲ Բն հ0.05 նՀԻ :Procedure օնԻճօն

TS (ó/ñ150~) òzᵗᵗᵗᵗᵗᵗ 8 ĀĀ Ūòzĭ+ā Āāĭ ĄĤā ŪTS (ó/ñ710~) òzᵗᵗᵗᵗᵗᵗ ḡ Ōᵗ 5ᵗ vs (ó/òzᵗᵗ 0.05)  
 .Ōᵗ 250 žĀᵗᵗᵗ ḡĤāŌ ḡĤŌᵗ

**:(Culture medium Cm8) Cm8 ᵗŌĀŌ Ūèᵗ**

òᵗĤĖŷ8Ōᵗ ḡ ḡ 10ᵗ R ĀŌḡŌ ᵗᵗ ḡŌŷᵗ ḡ ḡ 10ᵗ R žĀŌŌ ᵗᵗḡŌᵗ ḡ ḡ 10 āŌŌ :Procedure ōĀĀḡᵗᵗ  
 ḡĤŌĭ .Ōᵗ 1000 žĀᵗᵗᵗ ᵗĀᵗᵗ ḡ ḡĤāŌ ḡĤŌ ž R ōĀḡᵗᵗ ḡ ḡ 17ᵗ R ᵗᵗᵗᵗŌŌ ᄡᵗᵗᵗᵗ ḡ ḡ 3.0ᵗ R  
 121 ḡŌĀḡ ḡḡŌᄡᵗ ḡĄᵗᵗᵗᵗ ᵗŌĤᵗ ᵗ7.1-6.9 ᵗŌḡ vs (ó/òzᵗᵗ 0.05) ᵗᵗᵗᵗŌŌ ᄡĖŌᵗᵗᵗ ḡŪĄᵗᵗ ᵗĀḡŌᵗ  
 .ḡŌᵗᵗ 20-18 ḡĤᵗ ᵗᵗ

**:(Culture medium Cm9) Cm9 ᵗŌĀŌ Ūèᵗ**

R òᵗĄĖŷ8Ōᵗ ḡ ḡ 10ᵗ R ĀŌḡŌ ᵗᵗ ḡŌŷᵗ ḡ ḡ 10ᵗ R žĀŌŌ ᵗᵗḡŌᵗ ḡ ḡ 10 āŌŌ :Procedure ōĀĀḡᵗᵗ  
 ᄡĖŌᵗᵗᵗ ḡŪĄᵗᵗ ᵗĀḡŌᵗ ḡĤŌĭ .Ōᵗ 1000 žĀᵗᵗᵗ ᵗĀᵗᵗ ḡ ḡĤāŌ ḡĤŌ ž R ᵗᵗᵗᵗŌŌ ᄡᵗᵗᵗᵗ ḡ ḡ 3.0ᵗ  
 .ḡŌᵗᵗ 20-18 ḡĤᵗ ᵗᵗ 121 ḡŌĀḡ ḡḡŌᄡᵗ ḡĄᵗᵗᵗᵗ ᵗŌĤᵗ ᵗ7.1-6.9 ᵗŌḡ vs (ó/òzᵗᵗ 0.05) ᵗᵗᵗᵗŌŌ

**:(Culture medium Cm10) Cm10 ᵗŌĀŌ Ūèᵗ**

R ᵗᵗᵗᵗᵗᵗ ḡ ḡᄡᵗᵗ ḡ ḡ 5ᵗ R ᵗĀᵗᵗ ž ḡᄡᵗᵗᵗ ḡḡᵗᵗ ḡŌŷᵗ ḡ ḡ 1 āŌŌ :Procedure ōĀĀḡᵗᵗ  
 ḡ ḡĤāŌ ḡĤŌ ž R ōĀḡᵗᵗ ḡ ḡ 14ᵗ R ᵗĀᵗᵗᵗ ᄡᵗᵗᵗᵗ ḡ ḡ 5ᵗ R ḡḡᵗᵗᵗᵗ ᵗĀᵗᵗ ḡĀᵗᵗᵗ ḡ ḡ 5ᵗ  
 .Ōᵗ 1000 žĀᵗᵗᵗ ᵗĀᵗᵗ

**:(Culture medium Cm11) Cm11 ᵗŌĀŌ Ūèᵗ**

ž R ōĀḡᵗᵗ ḡ ḡ 15ᵗ R ĀŌḡŌ ᵗᵗ ḡŌŷᵗ ḡ ḡ 6ᵗ R žĀŌŌ ᵗᵗḡŌᵗ ḡ ḡ 10 āŌŌ :Procedure ōĀĀḡᵗᵗ  
 Ūvs (ó/òzᵗᵗ 1) ᵗᵗᵗᵗŌŌ ᄡĖŌᵗᵗᵗ ḡŪĄᵗᵗ òzĭ+ā ᵗĀᵗᵗ ḡĤŌĭ .Ōᵗ 1000 žĀᵗᵗᵗ ᵗĀᵗᵗ ḡ ḡĤāŌ ḡĤŌ  
 Ūᵗᵗᵗᵗ ḡḡŌ ᵗŌḡ ḡŌᄡᵗᵗ ᄡᵗ ᵗḡᵗᵗ .7.8 ᵗŌᵗᵗ ᵗᵗᵗᵗ žᵗ ḡĀᵗᵗᵗ ᄡᵗ ᵗĀḡŌᵗ ḡḡŌ ᵗ Ū ᵗᵗ ᵗḡŌᄡᵗᵗ ᄡᵗ  
 .ḡŌᵗᵗ 20-18 ḡĤᵗ ᵗᵗ 121 ḡŌĀḡ ḡḡŌᄡᵗ ḡĄᵗᵗᵗᵗ ᵗŌĤᵗ ḡᵗᵗᵗ ḡᵗᵗᵗ ž òzĭ+ā ᵗᵗᵗᵗ  
 .ḡŌᵗᵗ ḡĤᵗᵗᵗ ḡĤḡḡᵗᵗ ḡĀᵗᵗ :RS (Cytarabine) ḡᵗᵗᵗᵗᵗᵗ

.ḡŌᵗᵗ ḡĤᵗᵗᵗᵗ ḡĤḡḡᵗᵗ ḡĀᵗᵗ :RS (Dexamethasone sodium phosphate) ᵗᵗᵗᵗᵗᵗᵗᵗᵗ ᵗᵗᵗᵗᵗ ḡĀᵗᵗᵗ

.ḡŌᵗᵗ ḡĤᵗᵗᵗᵗ ḡĤḡḡᵗᵗ ḡĀᵗᵗ :RS (Dextromethorphan hydrobromide) ᵗᵗᵗᵗᵗᵗᵗᵗᵗ ᄡᵗᵗᵗᵗᵗᵗᵗ

**:R (Diatomaceous support) ḡᵗᵗᵗᵗᵗ ᵗᵗᵗᵗ**

ḡĀᵗᵗ ᵗᵗᵗᵗ .ḡᵗᵗᵗᵗᵗ ᵗᵗᵗᵗ ḡ ḡᵗᵗ ᵗᵗᵗᵗ ž ž ᵗᵗᵗ ᄡᵗᵗᵗᵗ ḡ ḡᵗᵗᵗ :Description žᵗᵗᵗ  
 ḡᵗᵗᵗᵗ ᵗᵗ ᵗᵗᵗᵗ ḡᵗ ᵗᵗ ž flux-calcined ḡᵗᵗᵗ ḡĤᵗᵗ ᵗᵗ ḡᵗᵗᵗ ḡᵗᵗᵗᵗ ḡᵗᵗᵗᵗᵗ ḡ ḡᵗᵗᵗᵗᵗ ḡ ḡ

Bz<sup>1</sup>000 000<sup>5</sup> ŪSilanized Ō<sup>0</sup>qKĒ0Ā<sup>0</sup> Ō<sup>0</sup>ĤĤ<sup>0</sup>ŷ Ūacid-washed 0zĒ8t<sup>0</sup> R<sup>0</sup>tΣ<sup>0</sup> :Ō<sup>0</sup>ŋ<sup>0</sup> g0ĀDz000 Ž ĠĀYQ<sup>0</sup> 0ĀŌ<sup>0</sup>ŷ<sup>0</sup>  
 .alkali-washed 0zĒ8t<sup>0</sup>

.C<sub>20</sub>H<sub>10</sub>C<sub>12</sub>O<sub>5</sub> :R (Dichlorofluorescein) kĒĒł0zŷzš0zŷ<sup>0</sup> Ū0ĀĀ0

.ZĒĀŷ<sup>0</sup> 0ĀŌ<sup>0</sup>k00Ā<sup>0</sup> Jzŷ<sup>0</sup> ŪB0zŷ<sup>0</sup> 0zĤĤĒ<sup>0</sup> :Description Z0z<sup>0</sup>

.TS (0/ħ750~) 0z0Āŷ<sup>0</sup>q<sup>0</sup> Ž 0Āš0<sup>0</sup> Ū0Ā<sup>0</sup> Ž JĀš000 Ō<sup>0</sup>ŷ<sup>0</sup> :Solubility Ġ00Āš0<sup>0</sup>

:TS (Dichlorofluorescein) kĒł0zŷzš0zŷ<sup>0</sup> Ū0ĀĀ0

.R 0z0Āŷ<sup>0</sup>t<sup>0</sup> 0ŋ<sup>0</sup> 100 Ž R kĒł0zŷzš0zŷ<sup>0</sup> Ū0ĀĀ0 0ŋ<sup>0</sup> ħ 0.2 0ĀŌ<sup>0</sup> :Procedure 0ĀĀDZq<sup>0</sup>

.Ġ0š0<sup>0</sup> Ġ0ĀĒ<sup>0</sup>Ē<sup>0</sup> ĠĒDZĀ<sup>0</sup> gĀĤ<sup>0</sup> :RS (Dicloxacillin sodium) kŷĒĒĒ0zŷ<sup>0</sup>Ō<sup>0</sup>Ā00 ŷzĀz0

.0z<sup>0</sup>t<sup>0</sup> 0<sup>0</sup> 0ĀĀĤ<sup>0</sup>(0<sup>0</sup>r<sup>0</sup> ŌDZ<sup>0</sup> Ġ<sup>0</sup>t<sup>0</sup>ŷ<sup>0</sup> ĠDZ00<sup>0</sup> :R (Diethylaminoethylcellulose) 0zŷ<sup>0</sup>Ē Ō<sup>0</sup>ŷ<sup>0</sup>ŷ<sup>0</sup> zĒĤ<sup>0</sup> Ō<sup>0</sup>ŷ<sup>0</sup>ŷ<sup>0</sup> Ū0ĀĀ0

.C<sub>12</sub>H<sub>14</sub>O<sub>4</sub> :R (Diethyl phthalate) Ō<sup>0</sup>ŷ<sup>0</sup>q<sup>0</sup> Ū0ĀĀ0 ġ<sup>0</sup>r<sup>0</sup>ŷ<sup>0</sup>

.Ġ0ĀĀŌ<sup>0</sup> ρ<sub>20</sub> = 0/ŋ<sup>0</sup> 1.117 :Mass density ĠŷŌ<sup>0</sup> ĠzĀ<sup>0</sup>

.n<sub>D</sub><sup>20</sup> = 1.500 – 1.505 :Refractive index 0ĀĒŌ<sup>0</sup>r<sup>0</sup> ĀĒĀ<sup>0</sup>

.Ġ0š0<sup>0</sup> Ġ0ĀĒ<sup>0</sup>Ē<sup>0</sup> ĠĒDZĀ<sup>0</sup> gĀĤ<sup>0</sup> :RS (Diloxanide furoate) Ā0ĀĒ0zŷ<sup>0</sup>Ō<sup>0</sup>Ā00 ġš0z<sup>0</sup>

.C<sub>4</sub>H<sub>9</sub>NO :R (Dimethylacetamide) ĀĤ<sup>0</sup>Ā0Ē<sup>0</sup> Ō<sup>0</sup>ŷ<sup>0</sup>ŷ<sup>0</sup> Ū0ĀĀ0

.Jzŷ<sup>0</sup> ĠĀ<sup>0</sup> 0ĀĒ<sup>0</sup> :Description Z0z<sup>0</sup>

.Ġ0ĀĀŌ<sup>0</sup> 0<sup>0</sup> 165 :Boiling temperature JĀŷ<sup>0</sup> g0Ā<sup>0</sup> ĠDZ00<sup>0</sup>

.ρ<sub>20</sub> = 0/ŋ<sup>0</sup> 0.94 :Mass density ĠŷŌ<sup>0</sup> ĠzĀ<sup>0</sup>

:TS5 (4-Dimethylaminobenzaldehyde) ĀĒĒĀ00Ā<sup>0</sup>0Ā<sup>0</sup> zĒĤ<sup>0</sup> Ō<sup>0</sup>ŷ<sup>0</sup>ŷ<sup>0</sup> Ū0ĀĀ0-4

0Ā<sup>0</sup>t<sup>0</sup> 0ŋ<sup>0</sup> 45 0ŋ<sup>0</sup> ŷ<sup>0</sup>Ā<sup>0</sup> Ž R ĀĒĒĀ00Ā<sup>0</sup>0Ā<sup>0</sup> zĒĤ<sup>0</sup> Ō<sup>0</sup>ŷ<sup>0</sup>ŷ<sup>0</sup> Ū0ĀĀ0-4 0ŋ<sup>0</sup> ħ 2 kĀĒ<sup>0</sup> Jš0<sup>0</sup> 0ĀŌ<sup>0</sup> :Procedure 0ĀĀDZq<sup>0</sup>

.TS (0/ħ420~) Ōł0zŷ<sup>0</sup>š0Ē<sup>0</sup>T<sup>0</sup> R<sup>0</sup> 0ŋ<sup>0</sup> 55š

:TS6 (4-Dimethylaminobenzaldehyde) ĀĒĒĀ00Ā<sup>0</sup>0Ā<sup>0</sup> zĒĤ<sup>0</sup> Ō<sup>0</sup>ŷ<sup>0</sup>ŷ<sup>0</sup> Ū0ĀĀ0-4

0z0Āŷ<sup>0</sup>q<sup>0</sup> 0ŋ<sup>0</sup> 20 Ž R ĀĒĒĀ00Ā<sup>0</sup>0Ā<sup>0</sup> zĒĤ<sup>0</sup> Ō<sup>0</sup>ŷ<sup>0</sup>ŷ<sup>0</sup> Ū0ĀĀ0-4 0ŋ<sup>0</sup> ħ 0.2 0ĀŌ<sup>0</sup> :Procedure 0ĀĀDZq<sup>0</sup>

R Ĥ0Ā00 3ŋ<sup>0</sup> 0zŷ<sup>0</sup>+0 Ĥ<sup>0</sup>Ā ŪTS (0/ħ420~) Ōł0zŷ<sup>0</sup>š0Ē<sup>0</sup>T<sup>0</sup> R<sup>0</sup> 0ŋ<sup>0</sup> 0.5 8ĀR<sup>0</sup>š TS (0/ħ750~)

.vs (0/0zŋ 0.0001) 0Ā0z00 0zŷ<sup>0</sup> 0ŋ<sup>0</sup> gĒ<sup>0</sup> Ō0<sup>0</sup> 0ĀŌ<sup>0</sup>ŋ<sup>0</sup>r<sup>0</sup> 0zŷ<sup>0</sup> Jz<sup>0</sup> Jz<sup>0</sup>Ō<sup>0</sup>.Ġ<sup>0</sup>Āš

.ĠDZĀ<sup>0</sup> TS6 ĀĒĒĀ00Ā<sup>0</sup>0Ā<sup>0</sup> zĒĤ<sup>0</sup> Ō<sup>0</sup>ŷ<sup>0</sup>ŷ<sup>0</sup> Ū0ĀĀ0-4 ĀR<sup>0</sup> J<sup>0</sup> Ēz :Ġ<sup>0</sup>ŷ<sup>0</sup>



.C<sub>8</sub>H<sub>11</sub>N :R (N,N-Dimethylaniline) ჩვეულებრივ უსუნო, N,N-  
 დიმეთილანლინი. აღწერა: ჯერჯერობით :Description ჯერჯერობით  
 .R კიბე R ჯერჯერობით ოქსიდ (0/1750~) ოქსიდის ჯერჯერობით :Miscibility ჯერჯერობით  
 .მარილი 93 :Boiling temperature ჯერჯერობით  
 .0/17 0.96= ρ<sub>20</sub> :Mass density ჯერჯერობით  
 .C<sub>2</sub>H<sub>6</sub>OS :R (Dimethyl sulfoxide) ოქსიდის უსუნო, დიმეთილსულფოქსიდი.  
 აღწერა: ჯერჯერობით :Description ჯერჯერობით  
 .0/17 1.10 = ρ<sub>20</sub> :Mass density ჯერჯერობით  
 .(80 გ/მოლ ოქსიდ 1963 ოქსიდ) C<sub>6</sub>H<sub>4</sub>ClN<sub>2</sub>O<sub>4</sub> :R (2,4-Dinitrochlorobenzene) დიკლორო-2,4-  
 დინიტრობენზენი. აღწერა: ჯერჯერობით :RS (Diphenoxylate hydrochloride) ჯერჯერობით  
 :TS (Diphenylamine/sulfuric acid) ოქსიდის ოქსიდის ოქსიდის  
 .TS (0/1760~) ოქსიდის ოქსიდის ოქსიდის ოქსიდის ოქსიდის ოქსიდის :Procedure ჯერჯერობით  
 დიკლორო-2,4-დინიტრობენზენი ოქსიდის ოქსიდის ოქსიდის ოქსიდის ოქსიდის ოქსიდის :Storage ჯერჯერობით  
 .0/17  
 .C<sub>13</sub>H<sub>14</sub>N<sub>4</sub>O :R (1.5-Diphenylcarbazide) დიკლორო-1,5-  
 დიფენილკარბაზიდი. აღწერა: ჯერჯერობით :Description ჯერჯერობით  
 .მარილი 174 :Melting temperature ჯერჯერობით  
 :TS (Diphenylcarbazide) დიკლორო-1,5-  
 დიფენილკარბაზიდი. აღწერა: ჯერჯერობით :Procedure ჯერჯერობით  
 .TS (0/1710~) ოქსიდის ოქსიდის ოქსიდის ოქსიდის ოქსიდის ოქსიდის  
 ოქსიდის ოქსიდის ოქსიდის ოქსიდის ოქსიდის ოქსიდის :Sensitivity test to chromate ჯერჯერობით  
 დიკლორო-1,5-დინიტრობენზენი ოქსიდის ოქსიდის ოქსიდის ოქსიდის ოქსიდის ოქსიდის  
 .0/17 0.2 8 გ/მოლ ოქსიდის ოქსიდის ოქსიდის ოქსიდის ოქსიდის ოქსიდის :TS (0/1720) (Disodium edetate) ოქსიდის ოქსიდის  
 .0/17 20 :Mass density ჯერჯერობით  
 .0/17 10 (Disodium edetate) ოქსიდის ოქსიდის ოქსიდის ოქსიდის ოქსიდის ოქსიდის





$$:\ddot{G}\ddot{I}\ddot{O}\ddot{A}\ddot{A}\ddot{n}\ddot{g}\ddot{O}\ddot{E}\ddot{O}\ddot{I}\ddot{T}\ddot{G}\ddot{q}\ddot{Y}\ddot{q}\ddot{A}\ddot{R}\ddot{O}\ddot{'}:Procedure\ddot{o}\ddot{z}\ddot{A}\ddot{D}\ddot{Z}\ddot{q}\ddot{z}$$
$$\frac{d\sigma}{dz} = \frac{\alpha_s^2}{z} \left[ C_F \left( \frac{1+z^2}{1-z} \right) + C_A \left( \frac{1+z^2}{1-z} \right)^2 \right] \ln \frac{Q^2}{m_D^2} \quad (2)$$

0.014  $\bar{O}_h$  100 B  $\bar{U}$   $\bar{Z}$   $\bar{A}$   $\bar{E}$   $\bar{S}$   $\bar{U}$   $\bar{T}$   $\bar{S}$  ( $\bar{o}/\bar{h}_{100}\sim$ )  $\bar{O}$   $\bar{h}$   $\bar{z}$   $\bar{A}$   $\bar{E}$   $\bar{S}$   $\bar{U}$   $\bar{T}$   $\bar{S}$   $\bar{R}$   $\bar{h}$   $\bar{z}$   $\bar{A}$   $\bar{E}$   $\bar{S}$   $\bar{U}$   $\bar{T}$   $\bar{S}$  50 8  $\bar{A}$   $\bar{R}$   $\bar{U}$   $\bar{A}$   $\bar{E}$   $\bar{S}$   $\bar{U}$   $\bar{T}$   $\bar{S}$   $\bar{R}$   $\bar{h}$   $\bar{z}$   $\bar{A}$   $\bar{E}$   $\bar{S}$   $\bar{U}$   $\bar{T}$   $\bar{S}$

.(3) ȳȳ + ā dŋ. Ágās Dzgś (2) ȳȳ + ā dŋ. ŷȳDzg śś (1) ȳȳ + ā dŋ. ŷȳDzg ś žĀŷ ŷāĀĀlèrā Ōŋ gĀĀĀŋ.

ĞzĀĩ Ğtĩ Ž R ŷzĒĩĸz Ğā ĒĒĒĒ Ē Ēĸz Ğ ħ 0.10s R ŌĸĀā ĒĀŷĩĩ Ğ ħ 2 ā ĀŌ :Procedure ōĀĀzqĩ

ᠰᠣᠨ 20 ᠵᠠᠨᠠᠨ ᠶᠤᠨ ᠳᠤᠨ

ḤDZäiù TS yzÈĀkzGöä ÉŁqĪÈ BKz/ŌKÄöä ÉŁóYō KRŌ Āz :ĠTgYŋ

:TS (Ō̄ṇ/ȳāÄḏṢÄŌ̄ṇ 50) (Ferricyanide standard) BóÄĤčā ÉÉpÄĤè BKAöä

Ž K<sub>3</sub>Fe(CN)<sub>6</sub> dñ ħ 7.8 rž3 Bz03s öĤĭ Ž R yzĭēĀkzGöā ĄŁqĭĖ Bkz özŸT ĀĤŽ :Procedure öĀĀDZqĭ

$$\bar{O}_\eta 1000 \quad \check{Z} \check{A} \check{O} \check{q} \check{o} \check{A} \check{t} \check{a} \text{ d} \check{n} \check{G} \check{z} \check{A} \check{O} \check{G} \check{z} \check{O} \check{x} \check{o} \check{z} \check{V} \check{t} \check{a} \check{a} \check{O} \check{L} \text{ d} \check{n} \bar{O}_\eta 1.0 \quad \check{Z} \check{A} \check{Z} \quad \bar{O}_\eta 100$$

:TS (Ō̄ŋ/ȳāÄḑṢÄŌ̄ŋ 100) (Ferrocyanide standard) Bóĭĕŋtā ÁĒŋĒèṢKĀā

$$\text{K}_4\text{Fe}(\text{CN})_6 \cdot 3\text{H}_2\text{O}$$

.0̄η 100.0 ž.İq q öġā dñ ĠzĀō ĠzĀō özŸ+ā āōŁ dñ 0̄η 1.0 áēξ .0̄η 100 ž

.NDZäÄù (Öñ/yāÄdšÄÖñ 100) BóÄĤtā ÄÉqÄÈèKÄöā KŔŦ Äz :çTgYñ

.ĠĤōšá ĠĤĤDZĂĠ ĠĤĂĤŁĤŌ ġăĤĠ :RS (Flucytosine) ɔĤăŹEQĤĤĤŹŹŸĂŌă

RS (Fludrocortisone acetate)

.ĜĤŝá ĜĤDZĀñ ĜĤĤĤĤŬ ĝáñ :RS (Fluorouracil) ŌĤĥŏz\šŏzŸz

Грѣсѣ Г҃ИДЗѦН Г҃ЕѦНѢѦ Г҃ѦН :SV RS (3-Formylrifamycin) К҃ЕГ҃ЕНѦНѦ О҃ЕНѦЗЗ-3

**:TS (Fuchsin,decolorized)** 1zYöā öāÂŋ ŪkÊōzÀöā

8 ĀĀ ŪĀĒYD yāp ž āĀs ōtā dŋ Ōŋ 600 ž basic ʉĒĒjā kĒōzāā dŋ ĥ 1 āā: Procedure ōāDZqī

ŪāŁŲĖĤā ŌĀĦAŬŌōā 3ŋ ŮŏŨGē 8ĀRΛš ĄĘYDž yĀř Ž áƏĤ ŮŏĦ Őŋ 100 Ž ĠŏžYŢ R yȳłázŎōā KĚAIè đŋ ħ 20



ὕψος (ὁ/ἡ250~) Ὀξυϊδρικός ῥῆμα :vs (ὁ/ὄζν 0.005) (Hydrochloric acid) Ὀξυϊδρικός ῥῆμα  
 .Ὀξ 1000 Ἱ HCl ἡ 0.1824 ῥζϕτ βὺ ὁἰτῆ ΖἈΣ  
 ὀζζὸζτῆ ὀἰἈὐῶ ἰ ἈῖἈῖ ὀζῖἡτῆ ῖ ρζῖῖτῆ ἈῖὈἈῖὀ ὀν Ἱῖῖὀὀ ΒἈΖ :Method of standardization ἡἈἈἹτῆ ὀἰἈῖ  
 .200 ὀἡἈὀὀ ὕ1 ἈῖὀἈ ὕvs (ὁ/ὄζν 1) Ὀξυϊδρικός ῥῆμα ῖ ἰἰἰ Ἱῖ  
 ΖἈΣ ὕ(ὁ/ἡ250~) Ὀξυϊδρικός ῥῆμα :vs (ὁ/ὄζν 0.0001) (Hydrochloric acid) Ὀξυϊδρικός ῥῆμα  
 .Ὀξ 1000 Ἱ HCl ὀν ἡῖ 3.647 ῥζϕτ βὺ ὁἰτῆ  
 ὀζζὸζτῆ ὀἰἈὐῶ ἰ ἈῖἈῖ ὀζῖἡτῆ ῖ ρζῖῖτῆ ἈῖὈἈῖὀ Ἱῖὀὀ ΒἈΖ :Method of standardization ἡἈἈἹτῆ ὀἰἈῖ  
 .200 ὀἡἈὀὀ ὕ1 ἈῖὀἈ ὕvs (ὁ/ὄζν 1) Ὀξυϊδρικός ῥῆμα ῖ ἰἰἰ Ἱῖ  
 Ὀξυϊδρικός ῥῆμα :vs (ὁ/ὄζν 0.01) (Hydrochloric acid/methanol) ὀζῖἡτῆ/Ὀξυϊδρικός ῥῆμα  
 .ὀζῖἡτῆ ὀν Ὀξ 1000 Ἱ HCl ὀν ἡ 0.3647 ῥζϕτ βὺ ὀζῖἡτῆ ΖἈὕ ὕψος (ὁ/ἡ250~)  
 ὀζζὸζτῆ ὀἰἈὐῶ ἰ ἈῖἈῖ ὀζῖἡτῆ ῖ ρζῖῖτῆ ἈῖὈἈῖὀ ὀν Ἱῖὀὀ ΒἈΖ :Method of standardization ἡἈἈἹτῆ ὀἰἈῖ  
 .200 ὀἡἈὀὀ ὕ1 ἈῖὀἈ ὕvs (ὁ/ὄζν 1) Ὀξυϊδρικός ῥῆμα ῖ ἰἰἰ Ἱῖ  
 .ḡḡḡḡ ḡḡḡḡḡ ḡḡḡḡḡ ḡḡḡḡ :RS (Hydrocotisone sodium succinate) ἰḡḡḡḡḡḡ ḡḡḡḡ ḡ ḡḡḡḡḡḡ  
 .C<sub>6</sub>H<sub>4</sub>(OH)<sub>2</sub> :R (Hydroquinone) ἰḡḡḡḡḡḡ  
 .ḡḡḡḡ ḡḡḡḡ ḡḡḡḡ ḡḡḡḡ ḡḡḡḡ ḡḡḡḡ ḡḡḡḡ ḡḡḡḡ :Description ḡḡḡḡ  
 .R ḡḡḡḡ TS (ὁ/ἡ750~) ὀζῖἡτῆ ὁἰτῆ Ἱ ἡḡḡḡ :Solubility ḡḡḡḡḡḡ  
 .ḡḡḡḡḡ ḡḡ 173 :Melting temperature ḡḡḡḡḡḡ ḡḡḡḡḡḡ  
 .ὀζḡḡḡ ὀḡḡḡ ḡḡḡḡ ἰḡḡḡḡḡḡ ἰḡḡḡ ḡḡḡḡ :ḡḡḡḡḡḡ  
 :TS (ὁ/ἡ200) (Hydroxylamine hydrochloride) ḡḡḡ ḡḡḡḡḡḡ Ἀḡḡḡḡḡḡḡ  
 .Ἀḡḡḡ Ἱ NH<sub>2</sub>OH,HCl ὀν ἡ200 ḡḡḡḡ Βḡḡ R ḡḡḡ ḡḡḡḡḡḡ Ἀḡḡḡḡḡḡḡ ὀζῖἡτῆ  
 :RS ḡḡḡ ὀ ὀḡḡḡḡ-2-ḡḡḡḡḡḡḡ-2-(ὀḡḡḡ ḡḡḡḡḡḡḡ-3-ḡḡḡḡḡḡḡ-4)-3-(-)  
 .ḡḡḡḡ ḡḡḡḡḡ ḡḡḡḡḡ ḡḡḡḡḡ ḡḡḡḡ :TS ὕ(-)-3-(4-Hydroxy-3-methoxyphenyl)-2-hydrazino-2-methylalanine  
 .10,11-Dihydro-5H-dibenz[b,f]azepine; C<sub>14</sub>H<sub>13</sub>N :R (Iminodibenzyl) ὀḡḡḡḡ ḡḡḡḡ ḡḡḡḡ  
 .Ἀḡḡḡ Ἀḡḡḡ ḡḡḡḡ ḡḡḡḡḡḡ :Description ḡḡḡḡ  
 .ḡḡḡḡḡ ḡḡ 106 :Melting temperature ḡḡḡḡḡḡ ḡḡḡḡḡḡ  
 ὁḡḡḡ Ἀḡḡḡ ḡḡḡ ḡḡḡḡ ἰḡḡḡḡ ḡḡḡḡḡ ὀν Ἀḡḡḡḡ ḡḡḡ ḡḡḡ ḡḡḡ :R (pH-Indicator paper) ὁḡḡḡḡ Ἀḡḡḡ ḡḡḡ









. $\bar{O}_n$  100

:TS (Mercuric nitrate)  $\bar{O}_{\bar{E}\bar{O}Ga\bar{A}\bar{O}\bar{a}}$   $\bar{g}\bar{a}\bar{A}\bar{Q}\bar{p}$

$\bar{O}\bar{A}\bar{Q}\bar{M}\bar{a}$   $\bar{R}\bar{e}\bar{p}$   $\bar{O}_n$  32  $\bar{O}_n$   $\bar{J}\bar{A}\bar{n}$   $\bar{Z}$   $\bar{R}$   $\bar{A}\bar{A}\bar{O}\bar{j}\bar{a}$   $\bar{O}_{\bar{E}\bar{O}Ga\bar{A}\bar{O}\bar{a}}$   $\bar{A}\bar{E}\bar{E}\bar{O}\bar{I}$   $\bar{O}_n$   $\bar{h}$  40  $\bar{a}\bar{A}\bar{O}\bar{A}$  :Procedure  $\bar{O}\bar{A}\bar{D}\bar{Z}\bar{Q}\bar{I}$   
.  $\bar{O}\bar{A}\bar{t}\bar{a}$   $\bar{O}_n$  15 $\bar{s}$  TS ( $\bar{o}/\bar{h}$ 1000~)

.  $\bar{O}\bar{Z}\bar{R}\bar{O}\bar{a}$   $\bar{O}_n$   $\bar{G}\bar{E}\bar{t}\bar{T}$   $\bar{G}\bar{A}\bar{S}\bar{A}\bar{g}$   $\bar{Z}$   $\bar{C}\bar{T}\bar{A}\bar{g}$   $\bar{A}\bar{E}\bar{Z}$  :Storage  $\bar{O}\bar{A}\bar{A}\bar{Q}\bar{I}$

:VS ( $\bar{o}/\bar{o}\bar{z}\bar{n}$  0.02) (Mercuric nitrate)  $\bar{O}_{\bar{E}\bar{O}Ga\bar{A}\bar{O}\bar{a}}$   $\bar{g}\bar{a}\bar{A}\bar{Q}\bar{p}$

$\bar{R}\bar{e}\bar{p}$   $\bar{O}_n$  10  $\bar{O}_n$   $\bar{J}\bar{A}\bar{n}$   $\bar{Z}$   $\bar{a}\bar{A}\bar{O}\bar{k}$   $\bar{U}\bar{R}$   $\bar{O}_{\bar{E}\bar{O}Ga\bar{A}\bar{O}\bar{a}}$   $\bar{g}\bar{a}\bar{A}\bar{Q}\bar{p}$   $\bar{O}_n$   $\bar{h}$  6.85  $\bar{G}\bar{a}\bar{A}\bar{e}$   $\bar{G}\bar{E}\bar{U}\bar{Z}\bar{G}\bar{R}\bar{n}$   $\bar{J}\bar{A}\bar{Z}\bar{A}$  :Procedure  $\bar{O}\bar{A}\bar{D}\bar{Z}\bar{Q}\bar{I}$   
.  $\bar{O}_n$  1000  $\bar{Z}\bar{O}\bar{I}\bar{g}$   $\bar{O}\bar{A}\bar{t}\bar{a}$   $\bar{Z}\bar{A}\bar{E}\bar{S}$   $\bar{U}\bar{O}\bar{A}\bar{t}\bar{a}$   $\bar{O}_n$  500 $\bar{s}$  TS ( $\bar{o}/\bar{h}$ 130~)  $\bar{O}_{\bar{A}\bar{Q}\bar{M}\bar{O}\bar{a}}$

$\bar{t}\bar{A}\bar{G}\bar{A}\bar{A}$   $\bar{o}/\bar{o}\bar{z}\bar{n}$  0.02  $\bar{o}\bar{Z}\bar{Y}\bar{+}\bar{a}$   $\bar{r}\bar{Z}\bar{G}\bar{R}\bar{t}\bar{a}$   $\bar{A}\bar{E}\bar{O}\bar{A}\bar{Q}\bar{O}\bar{a}$   $\bar{O}_n$   $\bar{K}\bar{G}\bar{Z}\bar{O}\bar{a}$   $\bar{B}\bar{A}\bar{Z}$  :Method of standardization  $\bar{g}\bar{A}\bar{A}\bar{H}\bar{t}\bar{a}$   $\bar{G}\bar{O}\bar{A}\bar{U}$   
.190  $\bar{G}\bar{H}\bar{A}\bar{O}\bar{O}\bar{a}$   $\bar{U}\bar{1}$   $\bar{A}\bar{E}\bar{Y}\bar{O}\bar{a}$  vs ( $\bar{o}/\bar{o}\bar{z}\bar{n}$  0.01)  $\bar{O}_{\bar{E}\bar{O}Ga\bar{A}\bar{O}\bar{a}}$   $\bar{g}\bar{a}\bar{A}\bar{Q}\bar{p}$   $\bar{J}\bar{A}\bar{Z}\bar{A}\bar{3}$   $\bar{K}\bar{O}$   $\bar{G}\bar{Z}\bar{Z}\bar{O}\bar{Z}\bar{t}\bar{a}$   $\bar{G}\bar{O}\bar{A}\bar{U}\bar{O}\bar{a}$

:TS (Mercury/nitric acid)  $\bar{O}_{\bar{A}\bar{Q}\bar{M}\bar{O}\bar{a}}$   $\bar{R}\bar{e}\bar{p}/\bar{E}\bar{G}\bar{A}\bar{O}\bar{a}$

$\bar{I}\bar{D}\bar{Z}\bar{W}$   $\bar{o}\bar{Z}\bar{Y}\bar{+}\bar{a}$   $\bar{Z}\bar{A}\bar{E}\bar{S}$   $\bar{R}$   $\bar{a}\bar{O}\bar{A}\bar{G}\bar{O}\bar{a}$   $\bar{A}\bar{A}\bar{G}\bar{t}\bar{a}$   $\bar{O}_{\bar{A}\bar{Q}\bar{M}\bar{O}\bar{a}}$   $\bar{R}\bar{e}\bar{p}$   $\bar{O}_n$  27  $\bar{Z}$   $\bar{R}$   $\bar{E}\bar{G}\bar{A}\bar{O}\bar{a}$   $\bar{O}_n$  3  $\bar{a}\bar{A}\bar{O}\bar{A}$  :Procedure  $\bar{O}\bar{A}\bar{D}\bar{Z}\bar{Q}\bar{I}$   
.  $\bar{O}\bar{A}\bar{t}\bar{a}$   $\bar{O}_n$   $\bar{o}\bar{A}\bar{H}\bar{n}$

.  $\bar{O}\bar{A}\bar{T}\bar{I}\bar{O}\bar{a}$   $\bar{a}\bar{S}\bar{A}\bar{D}\bar{Z}\bar{Q}\bar{k}$   $\bar{r}$   $\bar{g}\bar{A}\bar{n}$   $\bar{Z}$   $\bar{U}\bar{O}\bar{Z}\bar{R}\bar{O}\bar{a}$   $\bar{O}_n$   $\bar{H}\bar{E}\bar{t}\bar{T}$   $\bar{o}\bar{Z}\bar{Y}\bar{+}\bar{a}$   $\bar{J}\bar{A}\bar{Z}$   $\bar{J}\bar{U}$   $\bar{A}\bar{E}\bar{Z}$  :Storage  $\bar{O}\bar{A}\bar{A}\bar{Q}\bar{I}$

.  $\bar{G}\bar{E}\bar{O}\bar{S}\bar{A}$   $\bar{G}\bar{E}\bar{H}\bar{D}\bar{Z}\bar{A}\bar{n}$   $\bar{G}\bar{E}\bar{A}\bar{E}\bar{t}\bar{E}\bar{O}$   $\bar{g}\bar{A}\bar{n}$  :RS (Methotrexate)  $\bar{g}\bar{A}\bar{E}\bar{O}\bar{A}\bar{k}\bar{Z}\bar{Y}\bar{E}\bar{t}\bar{a}$

.  $\bar{G}\bar{E}\bar{O}\bar{S}\bar{A}$   $\bar{G}\bar{E}\bar{H}\bar{D}\bar{Z}\bar{A}\bar{n}$   $\bar{G}\bar{E}\bar{A}\bar{E}\bar{t}\bar{E}\bar{O}$   $\bar{g}\bar{A}\bar{n}$  :RS (Metoclopramide hydrochloride)  $\bar{A}\bar{E}\bar{n}\bar{A}\bar{A}\bar{Z}\bar{Y}\bar{O}\bar{Z}\bar{Q}\bar{E}\bar{n}$   $\bar{A}\bar{E}\bar{O}\bar{Z}\bar{Y}\bar{O}\bar{S}\bar{O}\bar{A}\bar{E}\bar{E}$

.  $\bar{G}\bar{E}\bar{O}\bar{S}\bar{A}$   $\bar{G}\bar{E}\bar{H}\bar{D}\bar{Z}\bar{A}\bar{n}$   $\bar{G}\bar{E}\bar{A}\bar{E}\bar{t}\bar{E}\bar{O}$   $\bar{g}\bar{A}\bar{n}$  :RS (Miconazole nitrate)  $\bar{O}\bar{S}\bar{A}\bar{H}\bar{Q}\bar{Z}\bar{O}\bar{E}\bar{t}\bar{a}$   $\bar{g}\bar{a}\bar{A}\bar{Q}\bar{p}$

. (120  $\bar{G}\bar{H}\bar{A}\bar{O}\bar{O}\bar{a}$   $\bar{U}\bar{1}$  1963  $\bar{U}\bar{S}\bar{R}\bar{I}\bar{P}$ )  $\bar{M}\bar{o}\bar{O}\bar{3}$  :R (Molybdenum trioxide)  $\bar{Y}\bar{Z}\bar{A}\bar{A}\bar{E}\bar{G}\bar{O}\bar{Z}\bar{t}\bar{a}$   $\bar{A}\bar{E}\bar{E}\bar{O}\bar{I}$   $\bar{U}\bar{O}\bar{Y}\bar{Q}$

.  $\bar{C}\bar{2}\bar{H}\bar{7}\bar{N}\bar{O}$  :R (Monoethanolamine)  $\bar{k}\bar{n}\bar{E}\bar{Z}\bar{Q}\bar{A}\bar{Z}\bar{A}\bar{U}$   $\bar{B}\bar{A}\bar{H}\bar{g}\bar{U}$

.  $\bar{G}\bar{A}\bar{O}\bar{A}\bar{I}\bar{I}\bar{Q}$   $\bar{Q}\bar{Q}\bar{H}\bar{a}\bar{O}$   $\bar{U}\bar{8}$   $\bar{A}\bar{O}$   $\bar{U}\bar{J}\bar{Z}\bar{Y}\bar{O}\bar{a}$   $\bar{C}\bar{A}\bar{3}$   $\bar{s}\bar{U}$   $\bar{K}\bar{E}\bar{A}\bar{A}$   $\bar{A}\bar{A}\bar{O}\bar{U}$   $\bar{U}\bar{Z}\bar{A}\bar{O}$   $\bar{O}\bar{a}\bar{H}\bar{e}$  :Description  $\bar{Z}\bar{O}\bar{Z}\bar{W}$

.  $\bar{R}$   $\bar{J}\bar{Z}\bar{Q}\bar{E}\bar{j}\bar{a}$   $\bar{R}$   $\bar{o}\bar{Z}\bar{Q}\bar{A}\bar{Y}\bar{E}\bar{t}\bar{a}$   $\bar{o}\bar{A}\bar{t}\bar{a}$   $\bar{Z}\bar{A}\bar{E}\bar{Y}\bar{O}$   $\bar{O}\bar{A}\bar{E}$  :Miscibility  $\bar{G}\bar{E}\bar{D}\bar{Z}\bar{A}\bar{t}\bar{a}$

.  $\bar{M}\bar{G}\bar{A}\bar{O}\bar{K}$   $\bar{o}\bar{Y}$  170 :Boiling temperature  $\bar{J}\bar{A}\bar{E}\bar{Y}\bar{O}\bar{a}$   $\bar{G}\bar{D}\bar{Z}\bar{O}\bar{A}$

.  $\bar{\rho}_{20}$  =  $\bar{o}/\bar{n}\bar{I}\bar{O}$  1.01 :Mass density  $\bar{G}\bar{Y}\bar{Q}\bar{O}\bar{I}$   $\bar{G}\bar{Z}\bar{A}\bar{Y}\bar{O}$

.  $\bar{n}_D^{20}$  = 1.453 – 1.455 :Refractive index  $\bar{O}\bar{A}\bar{E}\bar{O}\bar{P}\bar{r}\bar{I}$   $\bar{A}\bar{E}\bar{E}\bar{A}\bar{n}$

.  $\bar{G}\bar{E}\bar{O}\bar{S}\bar{A}$   $\bar{G}\bar{E}\bar{H}\bar{D}\bar{Z}\bar{A}\bar{n}$   $\bar{G}\bar{E}\bar{A}\bar{E}\bar{t}\bar{E}\bar{O}$   $\bar{g}\bar{A}\bar{n}$  :RS (Naloxone hydrochloride)  $\bar{J}\bar{Z}\bar{E}\bar{O}\bar{O}\bar{A}\bar{O}\bar{a}$   $\bar{A}\bar{E}\bar{O}\bar{Z}\bar{Y}\bar{O}\bar{S}\bar{O}\bar{A}\bar{E}\bar{E}$

.  $\bar{G}\bar{E}\bar{O}\bar{S}\bar{A}$   $\bar{G}\bar{E}\bar{H}\bar{D}\bar{Z}\bar{A}\bar{n}$   $\bar{G}\bar{E}\bar{A}\bar{E}\bar{t}\bar{E}\bar{O}$   $\bar{g}\bar{A}\bar{n}$  :RS (Neamine)  $\bar{k}\bar{n}\bar{A}\bar{E}\bar{A}\bar{O}\bar{a}$

**:RS (Neomycin B sulfate) B** *kĒMānzĒAōā* *ǧĀĀYĕ*  
*ĠĔHDZĀŋ ĠĒĀĒtĒĪŌ* *ǧĀĀŋ* :INN *ØYō* *ŋĤĠĤ* **RS (Framycetin sulfate)** *kQĒĒLŋĀĀAōā* *ǧĀĀYĕ*) *øĀ* *lĕrĀ* *òĒCQĕĀ*  
*.ĠĒōSĀ*

*.ĠĒōSĀ ĠĔHDZĀŋ ĠĒĀĒtĒĪŌ* *ǧĀĀŋ* :RS (Neostigmine metilsulfate) *kĒ8QĕzĒAōā* *ǧĀĀYĕ* *ŌĒQĒŋ*  
*.(124 ĠĤĀŌōā Ū1963 ŪSRIP) C<sub>15</sub>H<sub>17</sub>ClN<sub>4</sub> ŪC.I. āĀĕjĀ* *ǧĀĒΣĀ* *ŪC.I. 50040* :R (Neutral red) *ĠōĀĀĤQĀ* *ǧĀĒΣĀ*

**:TS (Neutral red/ethanol)** *òzŋĀĴĀqĀ* /*ĠōĀĀĤQĀ* *ǧĀĒΣĀ*  
*100 žĀQq TS (ò/ĥ375~)* *òzŋĀĴĀqĀ* *dn* *ĠĒZĀŌ* *ĠĒtŌ* *Ž* *R* *ĠōĀĀĤQĀ* *ǧĀĒĤĤYō* *ĥ* *0.1* *āĀŌ* :Procedure *ōĀĀDZqĀ*  
*.Ōŋ*

*.ĠĒōSĀ ĠĔHDZĀŋ ĠĒĀĒtĒĪŌ* *ǧĀĀŋ* :RS (Nifurtimox) *ĒĒŌzĒĤĤ* *òzĀĒAōā*  
*.ĠĒōSĀ ĠĔHDZĀŋ ĠĒĀĒtĒĪŌ* *ǧĀĀŋ* :RS (Niridazole) *òSĀĀĒĀKĀōā*  
*ĠĒĀĒtĒĪŌ ĠĔHDZĀŋ* *ǧĀĀŋ* :RS (Niridazole-chlorethylcarboxamide) *ĀĒŋĀĒŌzĀŌĀŌ* *ŌĒžĀŌ* *òzYō* -*òSĀĀĒĀKĀōā*  
*.ĠĒōSĀ*

*.ĠĒōSĀ ĠĔHDZĀŋ ĠĒĀĒtĒĪŌ* *ǧĀĀŋ* :RS (Nitrofurantion) *dnzQŋĀŌzŋSĀQĒAōā*  
*.CH<sub>3</sub>NO<sub>2</sub>* :R (Nitromethane) *JĀžĒŋSĀQĒAōā*  
*.JZĪŋĀ* *CĀĒ3* *ĤøQĀĀ* *ŌĀĀĕ* :Description *ZĒžŋĪ*  
*.R* *ĀĒŋĀŋŌžž* *ŌĒžĒŋ* *ĤĀĀŌS* *R* *KŌjĀS* *TS (ò/ĥ750~)* *òzŋĀĴĀqĀS* *ŌĀĤĀĒ* *žSĀŋ* :Miscibility *ĠĔDZĀĤĀ*  
*.ŋĠĀĀŌĤ*  $\rho_{20} = \text{ò/ŋŌ} 1.13$  : (Mass density) *ĠĪŌŌĪ* *ĠZĀĪŌ*  
*.ŋĠĀĀŌĤ*  $n_D^{20} = 1.380$  :Refractive index *ŌĀĒŌŋrĀ* *ĀĒĒŋ*  
*.ŋĠĀĀŌĤ*  $\text{°y } 101$  : (Boiling temperature) *JĀĪŌŋĪ* *ǧŌĀĀǧ* *ĠDZŌĀ*

*.ĠĒōSĀ ĠĒĀĒtĒĪŌ ĠĔHDZĀŋ* *ǧĀĀŋ* :RS (Noscapine) *kĀĀŌĕzĒAōā*  
*.ĠĒōSĀ ĠĒĀĒtĒĪŌ ĠĔHDZĀŋ* *ǧĀĀŋ* :RS (Nystatin) *kĀĀŌĒĒAōā*  
*.C<sub>8</sub>H<sub>16</sub>O<sub>2</sub>* *ŪŌĒŪĀĀĀŌōā* *Řĕ* *Ĥ* :R (Octanoic acid) *ŌĪzŋĀŌSĵĀ* *Řĕ* *Ĥ*  
*.JZĪŋĀ* *CĀĒ3* *ĤøQĀĀ* *ŌĀĀĕ* :Description *ZĒžŋĪ*  
*.ŋĠĀĀŌĤ*  $\text{°y } 237$  : (Boiling temperature) *JĀĪŌŋĪ* *ǧŌĀĀǧ* *ĠDZŌĀ*  
*.ŋĠĀĀŌĤ*  $\text{ò/ŋŌ} 0.92 = \rho_{20}$  : (Mass density) *ĠĪŌŌĪ* *ĠZĀĪŌ*

*JZĀĒŌĀĀžŋĪZĀĒŪŋĪ-4-zĒĒŋĪ* *ŌĒžĒŋ-1* *dn* *žĀĀŋ* *Ū19* *ĀĀŌĤĀ* *ĠĕŌĀ* :R (Oracet blue B) *B* *KĒĕĀŌSĵĀ* *ĠĕŌĀ*

$(C_{20}H_{14}N_2O_2)$  **KAEDÖÄÄŽEQLŽAEVYEQÜ-4-ZAENÜ-1S** ( $C_{21}H_{16}N_2O_2$ )  
**:TS (Oracet blue B/acetic acid)** ÖEQEëjã Rëp/B KÏEäósjã Çeðä  
R1 UDZVžöä ÖEQEëjã Rëp dn ÇEzÄÖ ÇEtö Ž R B KÏEäósjã Çeðä dn ħ 0.5 ä äÖÄ :*Procedure öÄÄZqä*  
.Öŋ 100 žÄQp  
 $(131 \text{ ĞHÄÖöä } \hat{U}1963 \hat{U}SRIP) C_2H_2O_4, 2H_2O$  :**R (Oxalic acid)** ÖEöÄEösjã Rëp  
dn ħ 0.05 2V3 BZQ3 R ÖEöÄEösjã Rëp özYT :**TS (ö/ħ0.05) (Oxalic acid)** ÖEöÄEösjã Rëp  
.Öŋ 1000 Ž  $C_2H_2O_4$   
.Öŋ 1000 žÄQp öÄtã dn ÇEzÄÖ ÇEtö Ž R ÖEöÄEösjã Rëp dn ħ 0.07 ä äÖÄ :*Procedure öÄÄZqä*  
.ÇEöšá ĞEÄEteÖ ÇEHZÄŋ gÄŋ :**RS (Oxamniquine)** kÖEÄEösjã  
.ÇEöšá ĞEÄEteÖ ÇEHZÄŋ gÄŋ :**RS (Oxytetracycline dihydrate)** kYÖEäÄQk UEösjã ġ äöEEL EÄÄQ  
Ž Zöš Ätö özŋEöEöGöä :**R (Paracetamol,4-aminophenol-free)** Äġ-özAEZZAENÜ-4 ÜözŋEöEöGöä  
:BAQöä öÄQnYÖ AEEDZQEL 200ġ öÄtã dn ÇEzÄÖ äÄHtã özŋEöEöGöä šÜ Ü237 ĞHÄÖöä ÜGÖÄŋ gÄšÄzjã  
jÄÄtã äÖö Öŋ 100 200ġ ZÄÇš öÄtã R özŋEöEöGöä dn yZDZä öÄÄHÖŋ jÄÄŋ Ž ÇzÄš gÄtã dn ħ 5 ä äÖÄ  
Jzö jQÄ F ÜGÖEš 30 gÄŋ ÄÖQEÖ öÄQŋ ÜžÄÇ ÜTS BZVÖöä yZÄZÖöä AEëšÄšÄQp Öŋ 1.0 8ÄŋÄ .ÄEÖtã  
.ÄRnÜ šÜ äöÄÜ  
 $(CH_2O)_n$  :**R (Paraformaldehyde)** ÄEELÄöŋöZzäöÄä  
.ÄEELÄöŋöZzÄVö gÄEÄ ĞHÄÄöä ÜRÄÜ BözVä äZHuÊŋ :*Description ŽÖZÜ*  
ÜÄEELÄöŋöZzÄöä evolution KTTk 3ŋ ÜöÄΣä öÄtã Ž JÄšÖöä Äġ ÜäöGöä öÄtã Ž öÜGä ä äšä :*Solubility ÇEÄšÖÜ*  
.R KÖjäs TS (ö/ħ750~) özŋEöEöGöä Ž ņEYt3 ä äšä Kd  
öZYT jQÄ ÜTS (ö/ħ100~) ÄEQZŋjã dn Öŋ 10 Ž ħ 1 ä äÖÄ :*Solubility in ammonia ÄEQZŋjã Ž ÇEQÄšÖöä*  
.JZVöä CÄ3š ņEYt3 8Äö  
.ħ/ŋŋ 1.0 d3 ÄÄÄ F :*Sulfated ash KÄVÊt äŋÄ*  
ĞġÄÄöä JZÖk ÜGÄÄš gÄġš GÖEš gÄŋ öŋ Öŋ 20 3ŋ ħ 1 ġÄ :*Acidity or alkalinity ĞZVÖöä öZtΣ*  
.ËtÄöä äġ3 äöZö (ĞÄÄġ) ĞÄÄHÖŋ  
.ÇEöšá ĞEÄEteÖ ÇEHZÄŋ gÄŋ :**RS (Paromomycin sulfate)** kÊŋZŋöGöä ġÄYë

$C_5H_{11}NaO_3S \cdot H_2O$  :R (1-Pentanesulfonic acid sodium salt)  $\bar{O}\bar{L}\bar{o}\bar{z}\bar{A}\bar{Y}\bar{e}$  J  $\bar{A}\bar{Q}\bar{A}\bar{e}$ -1 R  $\bar{p}$   $\bar{y}\bar{z}\bar{A}\bar{z}\bar{o}$   $\bar{G}\bar{i}\bar{n}$

.R  $\bar{e}\bar{a}\bar{U}$  B $\bar{o}\bar{z}\bar{Y}\bar{a}$   $\bar{a}\bar{z}\bar{H}\bar{u}\bar{E}\bar{n}$  :Description Z $\bar{o}\bar{z}\bar{w}\bar{i}$

. $\bar{o}\bar{A}\bar{t}\bar{a}$   $\bar{Z}$   $\bar{a}\bar{i}\bar{s}\bar{a}$  :Solubility  $\bar{G}\bar{e}\bar{p}\bar{h}\bar{e}\bar{s}\bar{o}\bar{w}\bar{i}$

.J $\bar{z}\bar{Y}\bar{o}\bar{a}$  C $\bar{e}\bar{z}\bar{s}$   $\bar{M}\bar{e}\bar{z}\bar{A}\bar{o}$   $\bar{o}\bar{A}\bar{t}\bar{a}$   $\bar{d}\bar{n}$   $\bar{O}\bar{n}$  25  $\bar{Z}$   $\bar{h}$  1  $\bar{o}\bar{z}\bar{Y}\bar{T}$  J $\bar{z}\bar{O}\bar{A}$  :Clarity and colour of solution  $\bar{o}\bar{z}\bar{i}\bar{f}\bar{i}$  J $\bar{z}\bar{v}\bar{s}$   $\bar{o}\bar{A}\bar{A}\bar{O}\bar{w}\bar{i}$

. $\bar{h}/\bar{n}\bar{i}\bar{n}$  20  $\bar{d}\bar{n}$   $\bar{A}\bar{z}\bar{o}\bar{U}$  J $\bar{z}\bar{O}\bar{A}$   $\bar{r}$   $\bar{U}\bar{A}\bar{T}\bar{e}\bar{z}$   $\bar{o}\bar{o}\bar{A}\bar{o}$   $\bar{G}\bar{O}\bar{A}\bar{U}\bar{a}$   $\bar{k}\bar{H}\bar{A}$  :Water  $\bar{o}\bar{A}\bar{t}\bar{a}$

:(1-Pentanesulfonic acid)  $\bar{O}\bar{L}\bar{o}\bar{z}\bar{A}\bar{Y}\bar{e}$  J  $\bar{A}\bar{Q}\bar{A}\bar{e}$  R  $\bar{p}$ -1

R  $\bar{p}$   $\bar{d}\bar{n}$   $\bar{O}\bar{n}$  1000  $\bar{Z}$  R  $\bar{O}\bar{L}\bar{o}\bar{z}\bar{A}\bar{Y}\bar{e}$  J  $\bar{A}\bar{Q}\bar{A}\bar{e}$ -1 R  $\bar{p}$   $\bar{y}\bar{z}\bar{A}\bar{z}\bar{o}$   $\bar{G}\bar{i}\bar{n}$   $\bar{d}\bar{n}$   $\bar{h}$  0.960  $\bar{a}\bar{i}\bar{O}\bar{A}$  :Procedure  $\bar{o}\bar{A}\bar{A}\bar{D}\bar{z}\bar{q}\bar{i}$

$\bar{G}\bar{i}\bar{n}\bar{A}\bar{A}$  .TS ( $\bar{o}/\bar{h}$ 260~)  $\bar{A}\bar{e}\bar{p}\bar{z}\bar{n}\bar{j}\bar{A}\bar{e}$  4.3  $\bar{z}\bar{o}\bar{q}\bar{g}$   $\bar{o}\bar{A}\bar{e}\bar{A}\bar{G}\bar{o}\bar{a}$   $\bar{P}\bar{z}\bar{E}\bar{A}\bar{s}$  TS ( $\bar{o}/\bar{h}$ 5.0)  $\bar{o}\bar{a}\bar{z}\bar{T}\bar{a}$   $\bar{t}\bar{s}\bar{A}\bar{o}\bar{A}\bar{t}\bar{a}$   $\bar{O}\bar{E}\bar{Q}\bar{E}\bar{j}\bar{a}$

. $\bar{o}\bar{A}\bar{t}\bar{H}\bar{Q}\bar{e}\bar{r}\bar{a}$   $\bar{O}\bar{Q}\bar{e}$   $\bar{o}\bar{a}\bar{z}\bar{T}\bar{a}$   $\bar{t}\bar{A}\bar{o}\bar{A}\bar{s}$

:vs ( $\bar{o}/\bar{o}\bar{z}\bar{n}$  0.1) (Perchloric acid/dioxan) J  $\bar{A}\bar{E}\bar{o}\bar{z}\bar{A}\bar{e}\bar{o}\bar{o}\bar{a}$ / $\bar{O}\bar{L}\bar{o}\bar{z}\bar{Y}\bar{o}\bar{K}\bar{G}\bar{o}\bar{a}$  R  $\bar{p}$

R J  $\bar{A}\bar{E}\bar{o}\bar{z}\bar{A}\bar{a}$   $\bar{d}\bar{n}$   $\bar{G}\bar{e}\bar{z}\bar{A}\bar{o}$   $\bar{G}\bar{e}\bar{t}\bar{o}$   $\bar{z}\bar{n}$  TS ( $\bar{o}/\bar{h}$ 1170~)  $\bar{O}\bar{L}\bar{o}\bar{z}\bar{Y}\bar{o}\bar{K}\bar{G}\bar{o}\bar{a}$  R  $\bar{p}$   $\bar{d}\bar{n}$   $\bar{o}\bar{z}\bar{n}$  8.5  $\bar{Z}\bar{A}\bar{S}$  :Procedure  $\bar{o}\bar{A}\bar{A}\bar{D}\bar{z}\bar{q}\bar{i}$

. $\bar{O}\bar{n}$  1000  $\bar{z}\bar{A}\bar{Q}\bar{q}$   $\bar{U}\bar{a}\bar{a}\bar{A}\bar{Q}\bar{n}\bar{r}\bar{A}\bar{a}$   $\bar{I}\bar{O}\bar{i}\bar{O}\bar{n}$   $\bar{z}\bar{O}\bar{A}\bar{t}\bar{a}$

$\bar{g}\bar{r}\bar{A}\bar{z}$   $\bar{d}\bar{n}$   $\bar{h}$  0.7  $\bar{g}\bar{A}\bar{A}\bar{H}\bar{n}$   $\bar{o}\bar{z}\bar{Y}\bar{t}$   $\bar{r}\bar{z}\bar{G}\bar{R}\bar{t}\bar{a}$   $\bar{A}\bar{e}\bar{o}\bar{A}\bar{Q}\bar{o}\bar{a}$   $\bar{d}\bar{n}$   $\bar{K}\bar{e}\bar{z}\bar{Q}\bar{o}\bar{a}$   $\bar{B}\bar{A}\bar{z}$  :Method of standardization  $\bar{g}\bar{A}\bar{A}\bar{H}\bar{t}\bar{a}$   $\bar{G}\bar{O}\bar{A}\bar{U}\bar{i}$

$\bar{A}\bar{t}\bar{o}$   $\bar{U}\bar{A}$   $\bar{G}\bar{O}\bar{A}\bar{U}\bar{o}\bar{a}$   $\bar{y}\bar{a}\bar{A}\bar{A}\bar{Q}\bar{e}\bar{A}\bar{a}$   $\bar{U}\bar{G}\bar{z}\bar{i}\bar{e}$  2  $\bar{g}\bar{A}\bar{n}$   $\bar{o}\bar{y}$ 120  $\bar{G}\bar{D}\bar{z}\bar{o}\bar{A}\bar{e}$   $\bar{M}\bar{O}\bar{a}\bar{A}\bar{e}$   $\bar{G}\bar{A}\bar{A}\bar{f}\bar{s}$   $\bar{U}\bar{G}\bar{e}\bar{U}\bar{z}\bar{G}\bar{R}\bar{n}$   $\bar{G}\bar{o}\bar{s}\bar{a}\bar{z}\bar{n}$   $\bar{U}\bar{R}$   $\bar{y}\bar{z}\bar{i}\bar{e}\bar{A}\bar{z}\bar{G}\bar{o}\bar{a}$   $\bar{K}\bar{D}\bar{z}\bar{o}\bar{A}\bar{e}\bar{e}$

$\bar{O}\bar{n}$  1  $\bar{O}\bar{o}$  .(142  $\bar{G}\bar{H}\bar{A}\bar{O}\bar{o}\bar{a}$   $\bar{U}\bar{1}$   $\bar{A}\bar{e}\bar{Y}\bar{O}\bar{a}$ ) "Non-aqueous titration  $\bar{U}\bar{a}\bar{A}\bar{n}\bar{Y}\bar{o}\bar{a}$   $\bar{U}\bar{e}\bar{z}\bar{o}\bar{a}$   $\bar{Z}$   $\bar{g}\bar{A}\bar{A}\bar{H}\bar{t}\bar{a}$ " J  $\bar{a}\bar{z}\bar{A}\bar{z}$   $\bar{K}\bar{O}$  8  $\bar{z}\bar{o}\bar{z}\bar{n}$   $\bar{z}\bar{L}$

$C_8H_5KO_4$   $\bar{d}\bar{n}$   $\bar{n}\bar{i}\bar{n}$  20.42  $\bar{u}\bar{z}\bar{i}\bar{O}\bar{A}$  vs ( $\bar{o}/\bar{o}\bar{z}\bar{n}$  0.1) J  $\bar{A}\bar{E}\bar{o}\bar{z}\bar{A}\bar{e}\bar{o}\bar{o}\bar{a}$ / $\bar{O}\bar{L}\bar{o}\bar{z}\bar{Y}\bar{o}\bar{K}\bar{G}\bar{o}\bar{a}$  R  $\bar{p}$   $\bar{d}\bar{n}$

:vs ( $\bar{o}/\bar{o}\bar{z}\bar{n}$  0.02) (Perchloric acid)  $\bar{O}\bar{L}\bar{o}\bar{z}\bar{Y}\bar{o}\bar{K}\bar{G}\bar{o}\bar{a}$  R  $\bar{p}$

R  $\bar{p}$   $\bar{d}\bar{n}$   $\bar{G}\bar{e}\bar{z}\bar{A}\bar{o}$   $\bar{G}\bar{e}\bar{t}\bar{o}$   $\bar{z}\bar{n}$  vs ( $\bar{o}/\bar{o}\bar{z}\bar{n}$  0.1)  $\bar{O}\bar{L}\bar{o}\bar{z}\bar{Y}\bar{o}\bar{K}\bar{G}\bar{o}\bar{a}$  R  $\bar{p}$   $\bar{d}\bar{n}$   $\bar{O}\bar{n}$  20  $\bar{a}\bar{i}\bar{O}\bar{A}$  :Procedure  $\bar{o}\bar{A}\bar{A}\bar{D}\bar{z}\bar{q}\bar{i}$

. $\bar{O}\bar{n}$  100  $\bar{z}\bar{A}\bar{Q}\bar{q}$  R1  $\bar{U}\bar{D}\bar{z}\bar{Y}\bar{z}\bar{o}\bar{a}$   $\bar{O}\bar{E}\bar{Q}\bar{E}\bar{j}\bar{a}$

$\bar{B}\bar{A}\bar{z}$   $\bar{o}\bar{A}\bar{t}\bar{a}$   $\bar{P}\bar{z}\bar{Q}\bar{T}$   $\bar{g}\bar{A}\bar{i}\bar{A}\bar{G}\bar{n}$   $\bar{y}\bar{a}\bar{A}\bar{A}\bar{Q}\bar{e}\bar{r}\bar{a}$   $\bar{O}\bar{Q}\bar{e}$   $\bar{k}\bar{H}\bar{A}$  :Water and method of standardization  $\bar{g}\bar{A}\bar{A}\bar{H}\bar{t}\bar{a}$   $\bar{G}\bar{O}\bar{A}\bar{U}\bar{i}$   $\bar{o}\bar{A}\bar{t}\bar{a}$

$\bar{U}\bar{v}\bar{s}$  ( $\bar{o}/\bar{o}\bar{z}\bar{n}$  0.1)  $\bar{O}\bar{L}\bar{o}\bar{z}\bar{Y}\bar{o}\bar{K}\bar{G}\bar{o}\bar{a}$  R  $\bar{p}$  J  $\bar{a}\bar{z}\bar{A}\bar{z}$   $\bar{K}\bar{O}$   $\bar{G}\bar{z}\bar{o}\bar{z}\bar{t}\bar{a}$   $\bar{G}\bar{O}\bar{A}\bar{U}\bar{o}\bar{a}$   $\bar{t}\bar{A}\bar{G}\bar{A}\bar{a}$   $\bar{o}\bar{z}\bar{Y}\bar{H}\bar{u}\bar{t}\bar{v}\bar{o}$   $\bar{r}\bar{z}\bar{G}\bar{R}\bar{t}\bar{a}$   $\bar{A}\bar{e}\bar{o}\bar{A}\bar{Q}\bar{o}\bar{a}$   $\bar{d}\bar{n}$   $\bar{K}\bar{e}\bar{z}\bar{Q}\bar{o}\bar{a}$

.213  $\bar{G}\bar{H}\bar{A}\bar{O}\bar{o}\bar{a}$   $\bar{U}\bar{1}$   $\bar{A}\bar{e}\bar{Y}\bar{O}\bar{a}$

$C_6H_8N_2 \cdot 2HCl$  :R (1,4-Phenylenediamine dihydrochloride)  $\bar{k}\bar{n}\bar{A}\bar{A}\bar{A}$   $\bar{k}\bar{Y}\bar{e}\bar{A}\bar{e}\bar{z}$ -4 $\bar{U}\bar{1}$   $\bar{A}\bar{e}\bar{L}\bar{o}\bar{z}\bar{Y}\bar{o}\bar{s}\bar{o}\bar{A}\bar{e}\bar{e}$   $\bar{U}\bar{a}\bar{A}\bar{Q}$

$\bar{B}\bar{U}$   $\bar{A}\bar{e}\bar{Y}\bar{O}\bar{A}$   $\bar{U}\bar{A}\bar{e}\bar{g}\bar{A}\bar{i}$  ( $\bar{E}\bar{e}\bar{T}\bar{i}\bar{o}\bar{A}\bar{e}$   $\bar{A}\bar{e}\bar{Y}\bar{e}\bar{o}\bar{o}\bar{A}\bar{e}\bar{z}\bar{i}$  J $\bar{z}\bar{o}$ )  $\bar{t}\bar{a}\bar{n}$   $\bar{z}\bar{A}\bar{E}\bar{Q}\bar{n}$   $\bar{B}\bar{U}$  R  $\bar{e}\bar{a}\bar{U}$  B $\bar{o}\bar{z}\bar{Y}\bar{a}$   $\bar{a}\bar{z}\bar{H}\bar{u}\bar{E}\bar{n}$  :Description Z $\bar{o}\bar{z}\bar{w}\bar{i}$

. $\bar{o}\bar{a}\bar{z}\bar{T}\bar{v}\bar{o}$   $\bar{o}$   $\bar{A}\bar{H}\bar{Q}\bar{o}\bar{a}$   $\bar{A}\bar{e}\bar{A}\bar{z}$   $\bar{U}\bar{Y}\bar{A}\bar{Q}\bar{A}\bar{e}$

.R  $\bar{K}\bar{o}\bar{j}\bar{A}\bar{s}$  TS ( $\bar{o}/\bar{h}$ 750~)  $\bar{o}\bar{z}\bar{n}\bar{A}\bar{Y}\bar{A}\bar{q}\bar{i}$   $\bar{Z}$  J  $\bar{A}\bar{e}\bar{s}\bar{o}\bar{o}\bar{a}$   $\bar{G}\bar{e}\bar{H}\bar{u}\bar{i}$   $\bar{U}\bar{o}\bar{A}\bar{t}\bar{a}$   $\bar{Z}$  J  $\bar{A}\bar{e}\bar{s}\bar{o}\bar{o}\bar{a}$   $\bar{A}\bar{g}$  :Solubility  $\bar{G}\bar{e}\bar{p}\bar{h}\bar{e}\bar{s}\bar{o}\bar{w}\bar{i}$

. $\bar{o}\bar{z}\bar{R}\bar{o}\bar{a}$   $\bar{d}\bar{n}$   $\bar{z}\bar{t}\bar{z}$  J  $\bar{i}\bar{s}$   $\bar{U}\bar{M}\bar{e}\bar{e}\bar{D}\bar{z}$   $\bar{G}\bar{O}\bar{Y}\bar{o}\bar{n}$   $\bar{G}\bar{A}\bar{s}\bar{A}\bar{g}$   $\bar{Z}$   $\bar{S}\bar{A}\bar{z}$  :Storage  $\bar{d}\bar{A}\bar{A}\bar{A}\bar{i}\bar{w}\bar{i}$

**:TS (Phenylhydrazine/hydrochloric acid)**  $\bar{O}$ lóz'ĩðsósÁETā R̄p/çlāāóÁÉEL  $\bar{O}$ ÉÁÉÁōā  
 çñ ĥ2 3ñ žĀłs ōĀtā çñ  $\bar{O}$ ñ 50 ž R çlāāóÁÉEL  $\bar{O}$ ÉÁÉÁōā Álóz'ĩðsósÁÉEL çñ ĥ 0.75 āāóĀ :Procedure ōāĀDZqī  
 . $\bar{O}$ ñ 200 žĀłqç ōĀtā çñ ĠÉžĀō ĠÉłōs TS (ō/ĥ420~)  $\bar{O}$ lóz'ĩðsósÁETā R̄p çñ 25 8ĀĤĀ ŪĠñ Āĥ ŪR ĤĤÁōā  
 Álóz'ĩðsósÁÉET ōž'Ĥ :TS (ō/ĥ10) (Phenylhydrazine hydrochloride) çlāāóÁÉEL  $\bar{O}$ ÉÁÉÁōā Álóz'ĩðsósÁÉEL  
 . $\bar{O}$ ñ 1000 ž C<sub>6</sub>H<sub>8</sub>N<sub>2</sub>.HCl çñ ĥ10 çĤ3 BçĤ3 R çlāāóÁÉEL  $\bar{O}$ ÉÁÉÁōā

āāĀĤqēē ž yÁĀqĤĒ ĵĀĀñ çñ ĠĤYñ ĠDZōā :R (Phenyl/methylpolysiloxane) ĵĀĒōž'ŷē Bçā ŌĤžñ/ $\bar{O}$ ÉÁÉž  
 .ĥ 100 øā ž ĵĀĒōž'ŷē Bçā ŌĤžñ çñ ĥ95 s ĵĀĒōž'ŷē Bçā ŌÉÁç çñ ĥ 5 çñ ĄĒōĀñ āĀ8ōā

**: TS Ū7.4 ōĀĒĀ ŪPhosphate buffer** ġĀĀēžĀōā Ġāōāā  
 $\bar{O}$ ñ 393.4 8ĀĤĀs ōĀtā çñ  $\bar{O}$ ñ 250 yžĤēĀžōā K DZsósÁÉEL ĤāĀq ġĀĀēžç çñ ĥ6.8 āāóĀ :Procedure ōāĀDZqī  
 .vs (ō/ōžñ 0.1) yžĀāžŌōā ÁĒĒōsósÁÉEL çñ

**:TS Ū7.6 ōĀĒĀ ŪPhosphate buffer** ġĀĀēžĀōā Ġāōāā  
 200 ĀĤqĤē ĠÉłDž ĠŷDžž ġ R yžĤēĀžōā K DZsósÁÉEL ĤāĀq ġĀĀēžç çñ ĥ 1.36 žĤçĀ :Procedure ōāĀDZqī  
 .ōĀtā ĤDž BŪ ZĀČs Ūvs (ō/ōžñ 0.2) yžĀāžŌōā ÁĒĒōsósÁÉEL çñ  $\bar{O}$ ñ 42.4 8ĀĤĀ ŪōĀtā āāóĀ ŪŌñ

**: TS Ū8.0 ōĀĒĀ ŪPhosphate buffer** ġĀĀēžĀōā Ġāōāā  
 ġĀĀēžç çñ ĥ 0.50s R ĠĤĀñYōā yžĀāžŌōā ĤāĀq K DZsósÁÉEL ġĀĀēžç çñ ĥ 8.95 āāóĀ :Procedure ōāĀDZqī  
 . $\bar{O}$ ñ 1000 žĀłqç ōĀtā çñ ĠÉžĀō ĠÉłō ž R yžĤēĀžōā K DZsósÁÉEL ĤāĀq

**:TS ،7.8 باءة العقيمة ،Phosphate buffer, sterile**  
 çñ 45.2 8ĀĤĀs ŪōĀtā ž R yžĤēĀžōā K DZsósÁÉEL ĤāĀq ġĀĀēžç çñ ĥ 6.8 āāóĀ :Procedure ōāĀDZqī  
 ŪġósĀĤōā ÁĤ3 ŪōĀĒĀōā ĠĤŌĤ . $\bar{O}$ ñ 1000 žĀłqç ōĀtā çñ ĠÉžĀō ĠÉłōs vs (ō/ōžñ 1) yžĀāžŌōā ÁĒĒōsósÁÉEL  
 ġĀñ ōž'Ĥā ĤŌĤ ž TS (ō/ĥ110~) yžĤēĀžōā ÁĒĒōsósÁÉē sŪ TS (ō/ĥ1440~)  $\bar{O}$ lóz'ĀēžĀōā R̄łł 7.8 çøĤġ  
 .°y 120 ĠDžōĀē ġĀēžçĤĤē ĠŌĤēā 20

**:TS1 Ū10.5 ōĀĒĀ ŪPhosphate buffer,sterile** ĠĤĤŌĤōā ġĀĀēžĀōā Ġāōāā  
 çñ  $\bar{O}$ ñ 20 8ĀĤĀ ŪōĀtā R yžĤēĀžōā ĤāĀq K DZsósÁÉEL ġĀĀēžç çñ ĥ 35.0 āāóĀ :Procedure ōāĀDZqī  
 çøĤġ ġósĀĤōā ÁĤ3 ōĀĒĀōā ĠĤŌĤ . $\bar{O}$ ñ 1000 žĀłqç ōĀtā çñ ĠÉžĀō ĠÉłōs vs (ō/ōžñ 1) yžĀāžŌōā ÁĒĒōsósÁÉEL  
 20 ġĀñ ōž'Ĥā ĤŌĤ ž TS (ō/ĥ110~) yžĤēĀžōā ÁĒĒōsósÁÉē sŪ TS (ō/ĥ1440)  $\bar{O}$ lóz'ĀēžĀōā R̄łł 10.5  
 .°y 120 ĠDžōĀē ġĀēžçĤĤē ĠŌĤēā

:TS  $\hat{U}6.0$   $\hat{O}A\hat{L}\hat{A}\hat{A}$   $\hat{U}$  **Phosphate/citrate buffer**  $\check{g}\hat{A}\hat{Q}\hat{E}\hat{E}\hat{O}\hat{A}$   $\check{G}\hat{O}\hat{A}\hat{A}/\check{g}\hat{A}\hat{E}\hat{Z}\hat{A}\hat{O}\hat{A}$   
 $\hat{O}\hat{n}$  35  $\hat{8}\hat{A}\hat{R}\hat{A}$   $\hat{U}\hat{O}\hat{A}\hat{n}$   $\hat{O}\hat{n}$  60  $\check{Z}$   $R$   $\check{y}\check{z}\hat{A}\hat{z}\hat{O}\hat{A}$   $\hat{U}\hat{A}\hat{A}\hat{Q}$   $kDZ\hat{S}\hat{O}\hat{A}\hat{E}\hat{E}$   $\check{g}\hat{A}\hat{E}\hat{Z}$   $\hat{d}\hat{n}$   $\check{h}4.52$   $\hat{A}\hat{A}\hat{O}\hat{A}$  :Procedure  $\hat{O}\hat{A}\hat{D}\hat{Z}\hat{q}\hat{A}$   
 .6.0  $\hat{B}\hat{U}$   $\hat{O}\hat{Z}\hat{Y}+\hat{A}$   $\hat{O}\hat{A}\hat{L}\hat{A}\hat{A}$   $\hat{G}\hat{H}\hat{O}\hat{I}$   $\hat{g}\hat{O}\hat{S}\hat{A}\hat{R}\hat{O}\hat{A}$   $\hat{A}\hat{A}\hat{Z}\hat{S}$  TS ( $\hat{O}/\check{h}20$ )  $\hat{O}\hat{A}\hat{Q}\hat{E}\hat{E}\hat{O}\hat{A}$   $\hat{R}\hat{E}\hat{p}$   $\hat{d}\hat{n}$

:TS ( $\hat{O}\hat{n}/\check{y}\hat{A}\hat{A}\hat{Q}\hat{S}\hat{A}\hat{O}\hat{n}$  5) **Phosphate standard**  $\hat{B}\hat{O}\hat{A}\hat{E}\hat{H}\hat{t}\hat{A}$   $\check{g}\hat{A}\hat{E}\hat{Z}\hat{A}\hat{O}\hat{A}$   
 $\check{Z}\hat{A}\hat{Q}\hat{q}$   $\hat{O}\hat{A}\hat{t}\hat{A}$   $\hat{d}\hat{n}$   $\check{G}\hat{E}\hat{Z}\hat{A}\hat{O}$   $\check{G}\hat{E}\hat{t}\hat{O}$   $\check{Z}$   $R$   $\check{y}\check{z}\hat{E}\hat{A}\hat{k}\hat{z}\hat{G}\hat{O}\hat{A}$   $kDZ\hat{S}\hat{O}\hat{A}\hat{E}\hat{E}$   $\hat{U}\hat{A}\hat{A}\hat{Q}$   $\check{g}\hat{A}\hat{E}\hat{Z}$   $\hat{d}\hat{n}$   $\check{h}$  0.716  $\hat{A}\hat{A}\hat{O}\hat{A}$  :Procedure  $\hat{O}\hat{A}\hat{D}\hat{Z}\hat{q}\hat{A}$   
 $\hat{O}\hat{A}\hat{t}\hat{A}$   $\hat{O}\hat{n}$  100  $\hat{B}\hat{U}$   $\check{y}\hat{A}\hat{A}\hat{Q}\hat{E}\hat{r}\hat{A}$   $\hat{O}\hat{G}\hat{e}$   $\hat{g}\hat{A}\hat{I}\hat{A}\hat{G}\hat{n}$   $\hat{O}\hat{n}$  1  $\check{Z}\hat{A}\check{Z}$   $\hat{U}\hat{O}\hat{n}$  1000

:TS ( $\hat{O}/\check{h}105\sim$ ) **Phosphoric acid**  $\hat{O}\hat{A}\hat{O}\hat{Z}\hat{A}\hat{E}\hat{Z}\hat{A}\hat{O}\hat{A}$   $\hat{R}\hat{E}\hat{p}$   
 $\hat{O}\hat{A}\hat{n}$   $\check{h}885$   $\check{Z}\hat{n}$  TS ( $\hat{O}/\check{h}1440\sim$ )  $\hat{O}\hat{A}\hat{O}\hat{Z}\hat{A}\hat{E}\hat{Z}\hat{A}\hat{O}\hat{A}$   $\hat{R}\hat{E}\hat{p}$   $\hat{d}\hat{n}$   $\check{h}115$   $\check{Z}\hat{A}\check{Z}$  :Procedure  $\hat{O}\hat{A}\hat{D}\hat{Z}\hat{q}\hat{A}$

:TS **Phosphotungstic acid**  $\hat{O}\hat{E}\hat{Q}\hat{E}\hat{8}\hat{n}\hat{k}\hat{z}\hat{A}\hat{E}\hat{Z}\hat{A}\hat{O}\hat{A}$   $\hat{R}\hat{E}\hat{p}$   
 $\hat{R}\hat{E}\hat{p}$   $\hat{d}\hat{n}$   $\hat{O}\hat{n}$  18.75  $\hat{8}\hat{A}\hat{R}\hat{A}\hat{S}$   $\hat{O}\hat{A}\hat{t}\hat{A}$   $\hat{d}\hat{n}$   $\hat{O}\hat{n}$  75  $\check{Z}$   $R$   $\check{y}\check{z}\hat{A}\hat{z}\hat{O}\hat{A}$   $\check{g}\hat{A}\hat{Q}\hat{E}\hat{8}\hat{n}\hat{k}$   $\hat{d}\hat{n}$   $\check{h}$  25  $\hat{A}\hat{A}\hat{O}\hat{A}$  :Procedure  $\hat{O}\hat{A}\hat{D}\hat{Z}\hat{q}\hat{A}$   
 $\check{G}\hat{E}\hat{t}\hat{O}$   $\hat{8}\hat{A}\hat{R}\hat{A}\hat{S}$   $\hat{U}\hat{G}\hat{I}\hat{A}\hat{A}$   $\hat{U}\hat{g}\hat{A}\hat{Z}\hat{A}\hat{E}$  6  $\hat{g}\hat{A}\hat{n}$   $\hat{U}\hat{Z}\hat{Z}\hat{O}\hat{Z}$   $\hat{J}\hat{A}\hat{A}\hat{Z}\hat{A}$   $\hat{O}\hat{t}\hat{H}\hat{A}$   $\check{Z}\hat{Z}\hat{O}\hat{n}$   $\check{K}\hat{O}$   $\hat{d}\hat{A}\hat{E}\hat{A}$  .TS ( $\hat{O}/\check{h}1440\sim$ )  $\hat{O}\hat{A}\hat{O}\hat{Z}\hat{A}\hat{E}\hat{Z}\hat{A}\hat{O}\hat{A}$   
 $\hat{O}\hat{n}$  250  $\check{Z}\hat{A}\hat{Q}\hat{q}$   $\hat{O}\hat{A}\hat{t}\hat{A}$   $\hat{d}\hat{n}$   $\check{G}\hat{E}\hat{Z}\hat{A}\hat{O}$   
 $\hat{O}\hat{Z}\hat{R}\hat{O}\hat{A}$   $\hat{d}\hat{n}$   $\hat{Z}\hat{t}\check{Z}$   $\hat{U}\hat{O}\hat{y}$  8 $\check{S}$  2  $k\hat{A}$   $\hat{d}\hat{Z}\hat{S}\hat{A}\hat{Q}\hat{k}$   $\hat{g}\hat{O}\hat{A}\hat{A}\hat{g}$   $\check{G}\hat{D}\hat{Z}\hat{O}\hat{A}\hat{E}\hat{A}$   $\hat{J}\hat{A}\check{Z}$  :Storage  $\hat{d}\hat{A}\hat{A}\hat{A}\hat{Q}\hat{A}$

. $C_5H_{11}N$  :R (**Piperidine**)  $\hat{d}\hat{A}\hat{A}\hat{E}\hat{A}\hat{E}\hat{G}\hat{O}\hat{A}$   
 $\hat{g}\hat{A}\hat{E}\hat{A}$   $\check{G}\hat{H}\hat{O}\hat{A}\hat{A}\hat{O}\hat{A}$   $\hat{U}\hat{A}\hat{A}\hat{O}\hat{n}$   $\check{S}\hat{U}$   $\hat{J}\check{Z}\hat{Y}\hat{O}\hat{A}$   $\check{C}\hat{A}\check{Z}$   $\hat{O}\hat{A}\hat{A}\hat{E}$  :Description  $\check{Z}\hat{O}\hat{Z}\hat{A}$   
 .TS ( $\hat{O}/\check{h}750\sim$ )  $\hat{O}\hat{Z}\hat{A}\hat{I}\hat{Q}\hat{A}\hat{S}$   $\hat{O}\hat{A}\hat{t}\hat{A}$   $\check{Z}\hat{S}\hat{A}\hat{n}$  :Miscibility  $\check{G}\hat{E}\hat{D}\hat{Z}\hat{S}\hat{A}\hat{t}\hat{A}$   
 $\hat{h}\hat{G}\hat{A}\hat{A}\hat{O}\hat{k}$   $\rho_{20} = \hat{O}\hat{n}\hat{O}$  0.86 :Mass density  $\check{G}\hat{Y}\hat{Q}\hat{A}$   $\check{G}\hat{Z}\hat{J}\hat{O}$   
 $\hat{h}\hat{G}\hat{A}\hat{A}\hat{O}\hat{k}$   $n_D^{20} = 1.454$  :Refractive index  $\hat{O}\hat{A}\hat{E}\hat{O}\hat{n}\hat{r}\hat{A}$   $\hat{A}\hat{E}\hat{E}\hat{A}\hat{n}$   
 $\hat{h}\hat{G}\hat{A}\hat{A}\hat{O}\hat{k}$   $^{\circ}\hat{y}$  106 :Boiling temperature  $\hat{J}\hat{A}\hat{E}\hat{Y}\hat{O}\hat{A}$   $\hat{g}\hat{O}\hat{A}\hat{A}\hat{g}$   $\check{G}\hat{D}\hat{Z}\hat{O}\hat{A}$   
 $^{\circ}\hat{y}$  15 $\check{S}$  12  $k\hat{A}$  :Congealing temperature  $\hat{A}\hat{I}\hat{t}\hat{O}\hat{F}\hat{A}$   $\check{G}\hat{D}\hat{Z}\hat{O}\hat{A}$

.(145  $\check{G}\hat{H}\hat{O}\hat{A}\hat{O}\hat{A}$   $\hat{U}1963$   $\hat{U}$ SRIP)  $KSbO_3$  :R (**Potassium antimonate**)  $\check{y}\check{z}\hat{E}\hat{A}\hat{k}\hat{z}\hat{G}\hat{O}\hat{A}$   $\check{g}\hat{A}\hat{Q}\hat{Z}\hat{t}\hat{Q}\hat{A}$

:TS (**Potassium antimonate**)  $\check{y}\check{z}\hat{E}\hat{A}\hat{k}\hat{z}\hat{G}\hat{O}\hat{A}$   $\check{g}\hat{A}\hat{Q}\hat{Z}\hat{t}\hat{Q}\hat{A}$   
 $\hat{8}\hat{A}\hat{R}\hat{A}\hat{S}$   $\check{h}\hat{H}\hat{A}\hat{A}\hat{E}$   $\hat{A}\hat{A}\hat{k}$   $\hat{U}\hat{J}\hat{A}\hat{S}\hat{O}\hat{A}$   $\hat{Z}\hat{O}\hat{Q}\hat{g}$   $\hat{O}\hat{A}\hat{n}$   $\hat{O}\hat{n}$  95  $\check{Z}$   $R$   $\check{y}\check{z}\hat{E}\hat{A}\hat{k}\hat{z}\hat{G}\hat{O}\hat{A}$   $\check{g}\hat{A}\hat{Q}\hat{Z}\hat{t}\hat{Q}\hat{A}$   $\hat{d}\hat{n}$   $\check{h}$  2  $\hat{Z}\hat{Y}\hat{O}\hat{A}$  :Procedure  $\hat{O}\hat{A}\hat{D}\hat{Z}\hat{q}\hat{A}$   
 $\hat{O}\hat{A}\hat{Q}\hat{A}$  .vs ( $\hat{O}/\hat{O}\hat{Z}\hat{n}$  1)  $\check{y}\check{z}\hat{A}\hat{z}\hat{O}\hat{A}$   $\hat{A}\hat{E}\hat{E}\hat{O}\hat{S}\hat{O}\hat{A}\hat{E}\hat{E}$   $\hat{d}\hat{n}$   $\hat{O}\hat{n}$  5 $\check{S}$  vs ( $\hat{O}/\hat{O}\hat{Z}\hat{n}$  1)  $\check{y}\check{z}\hat{E}\hat{A}\hat{k}\hat{z}\hat{G}\hat{O}\hat{A}$   $\hat{A}\hat{E}\hat{E}\hat{O}\hat{S}\hat{O}\hat{A}\hat{E}\hat{E}$   $\hat{d}\hat{n}$   $\hat{O}\hat{n}$  50  
 $\hat{O}\hat{n}$  150  $\check{Z}\hat{A}\hat{Q}\hat{q}$   $\hat{O}\hat{A}\hat{t}\hat{A}$   $\hat{d}\hat{n}$   $\check{G}\hat{E}\hat{Z}\hat{A}\hat{O}$   $\check{G}\hat{E}\hat{t}\hat{O}\hat{A}$   $\check{Z}\hat{A}\check{Z}\hat{S}$   $\check{G}\hat{Z}\hat{A}\hat{E}$  24  $\hat{g}\hat{A}\hat{n}$   $\hat{A}\hat{O}\hat{J}\hat{E}\hat{E}\hat{O}$   
 $\hat{U}\hat{O}\hat{n}$  10  $\hat{B}\hat{U}$  ( $\hat{O}/\hat{O}\hat{Z}\hat{n}$  0.1)  $\check{y}\check{z}\hat{A}\hat{z}\hat{O}\hat{A}$   $\hat{A}\hat{E}\hat{E}\hat{O}\hat{S}\hat{O}\hat{A}\hat{E}\hat{E}$   $\hat{d}\hat{n}$   $\hat{O}\hat{n}$  7  $\hat{8}\hat{A}\hat{R}\hat{A}$  :Sensitivity to sodium  $\check{y}\check{z}\hat{A}\hat{z}\hat{O}\hat{A}$   $\check{G}\hat{E}\hat{A}\hat{E}\hat{S}\hat{A}$   
 $\hat{G}\hat{O}\hat{E}\hat{g}\hat{A}$  15  $\hat{O}\hat{Y}\hat{n}$   $\hat{O}\hat{A}\hat{R}\hat{E}\hat{A}$   $\check{G}\hat{A}\hat{O}\hat{Z}\hat{Y}\hat{A}$   $\check{G}\hat{A}\hat{A}\hat{E}\hat{h}$   $\hat{O}\hat{O}\hat{I}\hat{Q}\hat{k}$

.ᐃᐃᐃᐃᐃ TS ᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ KRO ᐃᐃᐃ :ᐃᐃᐃᐃᐃ

ᐃᐃᐃ ᐃᐃᐃᐃ ᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃ :VS (ᐃᐃᐃᐃ 0.00833) Potassium bromate ᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃ .ᐃᐃᐃ 1000 ᐃᐃ KBrO<sub>3</sub> ᐃᐃ ᐃ 1.392 ᐃᐃᐃᐃ

.K<sub>2</sub>CO<sub>3</sub>, 1<sub>1/2</sub>H<sub>2</sub>O :R (Potassium carbonate) ᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ .ᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃ :Description ᐃᐃᐃᐃᐃ

.TS (ᐃᐃᐃ 750~) ᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ :Solubility ᐃᐃᐃᐃᐃᐃᐃᐃ

.K<sub>2</sub>CO<sub>3</sub> :R (Potassium carbonate, anhydrous) ᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ .ᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃ :Description ᐃᐃᐃᐃᐃᐃ

.TS (ᐃᐃᐃ750~) ᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ :Solubility ᐃᐃᐃᐃᐃᐃᐃᐃᐃ

100 ᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃ :TS (ᐃᐃᐃ100) (Potassium chloride) ᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ .ᐃᐃᐃᐃᐃ ᐃᐃ KCl ᐃᐃ ᐃᐃ

:PbTS (Potassium cyanide) ᐃᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ

ᐃᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃ ᐃᐃ 2 ᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃ ᐃᐃ 90 ᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃ ᐃᐃ ᐃ 10 ᐃᐃᐃᐃᐃ :Procedure ᐃᐃᐃᐃᐃᐃᐃᐃ

.ᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃ 100 ᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃ ᐃᐃᐃᐃ ᐃᐃᐃᐃᐃ 24 ᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ (ᐃᐃᐃ60~) ᐃᐃᐃᐃᐃᐃᐃᐃᐃ

:TS2 (Potassium dichromate) ᐃᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ

ᐃᐃ ᐃᐃ 7.5 ᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃ ᐃᐃ 60 ᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃ ᐃᐃ ᐃ 1 ᐃᐃᐃᐃᐃᐃ :Procedure ᐃᐃᐃᐃᐃᐃᐃᐃᐃ

.TS (ᐃᐃᐃ1760~) ᐃᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃ

:TS3 (Potassium dichromate) ᐃᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ

ᐃᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃ ᐃᐃ ᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃ ᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃ ᐃ 0.5 ᐃᐃᐃᐃᐃᐃ :Procedure ᐃᐃᐃᐃᐃᐃᐃᐃᐃᐃ

.ᐃᐃᐃ 100 ᐃᐃᐃᐃᐃ TS (ᐃᐃᐃ100~)

ᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃ :TS (ᐃᐃᐃ100) (Potassium dihydrogen phosphate) ᐃᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ

.ᐃᐃᐃᐃᐃ ᐃᐃ KH<sub>2</sub>PO<sub>4</sub> ᐃᐃ ᐃ 100 ᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃᐃ

ᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃ :TS (ᐃᐃᐃ27.2) (Potassium dihydrogen phosphate) ᐃᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ

.(ᐃᐃᐃᐃᐃ 0.2) ᐃᐃᐃᐃᐃ ᐃᐃ KH<sub>2</sub>PO<sub>4</sub> ᐃᐃ ᐃ 27.2 ᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃᐃ

:TS (ᐃᐃᐃ13.6) (Potassium dihydrogen phosphate) ᐃᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃᐃ

.(ᐃᐃᐃᐃᐃ 0.1) ᐃᐃᐃᐃᐃ ᐃᐃ KH<sub>2</sub>PO<sub>4</sub> ᐃᐃ ᐃ 13.6 ᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃᐃ ᐃᐃᐃᐃᐃᐃᐃᐃᐃ





. $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0 :Description  $\lambda_{\text{max}}$

.R 0.1% TS (0/100)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0 :Solubility Soluble in water

. $d_4^{20}$  1.17 :Relative density 1.17

:TS (Salicylaldehyde)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm

R 0.1% TS (0/100)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0 :Procedure  $\lambda_{\text{max}}$

.TS (0/100)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm

.(UV 254) 60  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm :R6 (Silica gel)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm

.R 0.1% TS (0/100)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm :Description  $\lambda_{\text{max}}$

.Average pore size 6  $\mu\text{m}$  :Average pore size 6  $\mu\text{m}$

B 0.1% TS (0/100)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0 :Composition  $\lambda_{\text{max}}$

.(0/100)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm

:TS(0/100) Silver nitrate  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm

.0.1%  $\text{AgNO}_3$   $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0

:vs(0/0.01) Silver nitrate  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm

.0.1%  $\text{AgNO}_3$   $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0

0.1%  $\text{AgNO}_3$   $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0 :Method of standardization  $\lambda_{\text{max}}$

.0.1%  $\text{AgNO}_3$   $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0

:TS (Silver nitrate/methanol)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm

.R 0.1% TS (0/100)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0 :Procedure  $\lambda_{\text{max}}$

:vs (0/0.1) (Sodium acetate/glacial acetic acid)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm

R 0.1% TS (0/100)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0 :Procedure  $\lambda_{\text{max}}$

0.1% TS (0/100)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0

.0.1% TS (0/100)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0

:0.1% TS (0/100)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0 :Method of standardization  $\lambda_{\text{max}}$

0.1% TS (0/100)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0

0.1% TS (0/100)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0

.0.1% TS (0/100)  $\lambda_{\text{max}}$  268 nm  $\epsilon$  12000 L/mol cm  $\text{pH}$  7.0

. $\text{C}_2\text{H}_3\text{NaO}_2$

**:TS (ó/ñ10) (Sodium alizarinsulfonate)** ÿꝛłáꝛÔöă ġ ĨꝛꝛÁŷè ðłóăĀĒôŰ  
 .ĀŲŷöă Ž C<sub>14</sub>H<sub>7</sub>NaO<sub>7</sub>S ðŋ ħ 10 ĢăăĀĕ 2Ų3 BꝛŲ3 ÿꝛłáꝛÔöă ġ ĨꝛꝛÁŷè ðłóăĀĒôŰ òꝛŲŢ

**:TS (ó/ñ400) Sodium choride** ÿꝛłáꝛÔöă ĀłóꝛŲō  
 .ĀŲŷöă Ž NaCl ðŋ ħ 400 ĢăăĀĕ 2Ų3 BꝛŲ3 ÿꝛłáꝛÔöă ĀłóꝛŲō ðŋ 3Ģ Ĩŋ òꝛŲŢ

**:TS (ó/ñ10) Sodium choride** ÿꝛłáꝛÔöă ĀłóꝛŲō  
 .ĀŲŷöă Ž NaCl ðŋ ħ 10 ĢăăĀĕ 2Ų3 BꝛŲ3 ÿꝛłáꝛÔöă ĀłóꝛŲō òꝛŲŢ

ĢĒôşă ĢĒăĒĒĒō ĢĒĒDZĀŋ ġăĨŋ **:RS (Sodium cromoglicate)** ÿꝛłáꝛÔöă ġ ĨŲĒŲꝛŋşĀō  
 ġĀĀèꝛꝛ òꝛŲŢ **:TS (ó/ñ 275) (Sodium dihydrogen phosphate)** ÿꝛłáꝛÔöă ĢDZşŲĀĒĒ ĤăĀŲ ġĀĀèꝛꝛ  
 .ĀŲŷöă Ž NaH<sub>2</sub>PO<sub>4</sub> ðŋ ħ 275 ĢăăĀĕ 2Ų3 BꝛŲ3 ÿꝛłáꝛÔöă ĢDZşŲĀĒĒ ĤăĀŲ

**.CHNaO<sub>2</sub> :R (Sodium formate)** ÿꝛłáꝛÔöă ġ ĨŋŲꝛꝛ  
 ĢĀĒĀŋ ŌĒŋŲꝛꝛ RĢ ĢĤăăŲ ŲŲ ŲꝛŲŋ Ų RĒĒŲ BŲŲş ġĀ ĀĒŢ ĀꝛĤĒĒŋ *:Description ZŲŲŲ*  
*.°Ų 253 :Melting temperature ŲĀŢŲŲŲĒ ĢDZşă*

**:TS(Sodium hydroxide/ethanol)** òꝛŲĀŲŲĒ/ÿꝛłáꝛÔöă ĀĒĒōşŲĀĒĒ  
 TS (ó/ñ750~) òꝛŲĀŲŲĒ ðŋ ĢĒĀō ĢĒō Ž R ÿꝛłáꝛÔöă ĀĒĒōşŲĀĒĒ ðŋ ħ 50 āŲŲ *:Procedure ŲĀŲDZŲĒ*  
 .Ōŋ 1000 ŽĀŲŲĒ

**:TS (ó/ñ50) Sodium hydroxide** ÿꝛłáꝛÔöă ĀĒĒōşŲĀĒĒ  
 .ĀŲŷöă Ž NaOH ðŋ ħ50 ĢăăĀĕ 2Ų3 BꝛŲ3 ÿꝛłáꝛÔöă ĀĒĒōşŲĀĒĒ òꝛŲŢ

**:TS (ó/ñ35) Sodium nitrite** ÿꝛłáꝛÔöă ĢĀĀŲŲ  
 .(ĢĒĀĀŲŲ òꝛŲŋ 0.5) ĀŲŷöă Ž NaNO<sub>2</sub> ðŋ ħ35 ĢăăĀĕ 2Ų3 BꝛŲ3 R ÿꝛłáꝛÔöă ĢĀĀŲŲ òꝛŲŢ

2Ų3 BꝛŲ3 R ÿꝛłáꝛÔöă ĀĒĒşĀăşĀŲŲ òꝛŲŢ **:TS (ó/ñ8.5) Sodium Nitroprusside** ÿꝛłáꝛÔöă ĀĒĒşĀăşĀŲŲ  
 .ĀŲŷöă Ž Na<sub>2</sub>Fe(NO)(CN)<sub>5</sub> ðŋ ħ 8.5 ĢăăĀĕ

**:TS (Sodium Nitroprusside, alkaline)** BꝛŲŲă ÿꝛłáꝛÔöă ĀĒĒşĀăşĀŲŲ  
 ĢĒĀō ĢĒō Ž R ÿꝛłáꝛÔöă ġ ĨꝛꝛĀō ðŋ ħ 1ş R ÿꝛłáꝛÔöă ĀĒĒşĀăşĀŲŲ ðŋ ħ 1 āŲŲ *:Procedure ŲĀŲDZŲĒ*  
 .Ōŋ 100 ŽĀŲŲĒ ŲĀŲŲ ðŋ

.(191ĢĤĀĀŲŲ Ų1963 ŲSRIP) Na<sub>2</sub>O<sub>2</sub> **:Sodium peroxide** ÿꝛłáꝛÔöă ĀĒĒōşĢă  
 8ꝛŲꝛŋ ꝛĒ Āō ÿꝛłáꝛÔöă ġ ŲĒĒĒŲè ŲĀĀŲĒĒ .C<sub>7</sub>H<sub>5</sub>NaO<sub>3</sub> **:R (Sodium salicylate)** ÿꝛłáꝛÔöă ġ ŲĒĒĒŲè



.TS (ó/ħ50)  $\bar{O}H_4\bar{A}V\bar{E}\bar{o}$   $\bar{R}\bar{p}$   $\bar{O}_n$  1 8 ĤĤ Ĥ ĤĤĤ 10 ġĤĤ ĤĤĤ 2 Ĥ ĤĤĤĤ  $\bar{O}\bar{A}Q_1$   $\bar{U}TS$   
.ĤĤĤĤ ĤĤĤĤĤĤ ĤĤĤĤĤĤ ġĤĤ :RS (Sulfasalazine)  $\bar{O}H_4\bar{A}V\bar{E}\bar{o}$   
:TS (Sulfuric acid/methanol)  $\bar{O}Z\bar{p}\bar{A}Z\bar{p}\bar{t}\bar{a}/\bar{O}\bar{H}Z\bar{A}V\bar{E}\bar{o}$   $\bar{R}\bar{p}$   
.R  $\bar{O}Z\bar{p}\bar{A}Z\bar{p}\bar{t}\bar{a}$   $\bar{O}_n$  90 $\S$  TS (ó/ħ1760~)  $\bar{O}\bar{H}Z\bar{A}V\bar{E}\bar{o}$   $\bar{R}\bar{p}$   $\bar{O}_n$  10 ĤĤĤĤ ĤĤĤ :Procedure  $\bar{O}\bar{A}Z\bar{Q}\bar{t}$   
.Z  $\bar{U}V\bar{a}$   $\bar{Z}\bar{A}\bar{Z}\bar{S}$   $\bar{U}_J\bar{A}\bar{O}nq\bar{t}$   $\bar{O}\bar{A}\bar{Z}$   $\bar{O}Z\bar{p}\bar{A}Z\bar{p}\bar{t}\bar{a}$   $\bar{S}\bar{A}\bar{Z}$   $\bar{U}\bar{O}Z\bar{p}\bar{A}Z\bar{p}\bar{t}\bar{a}$   $\bar{B}\bar{U}$   $\bar{R}\bar{t}\bar{\Sigma}\bar{a}$   $\bar{A}\bar{A}\bar{E}\bar{i}$   $\bar{O}\bar{O}W$  8 ĤĤ  
 $\bar{B}\bar{U}$   $\bar{O}\bar{H}\bar{t}\bar{a}$   $\bar{Z}\bar{A}\bar{Z}$   $\bar{U}TS$  (ó/ħ1760~)  $\bar{O}\bar{H}Z\bar{A}V\bar{E}\bar{o}$   $\bar{R}\bar{p}$  :vs (ó/ózn 0.125) (Sulfuric acid)  $\bar{O}\bar{H}Z\bar{A}V\bar{E}\bar{o}$   $\bar{R}\bar{p}$   
 $\bar{O}_n$  1000  $\bar{Z}$   $H_2SO_4$   $\bar{O}_n$  Ĥ 12.52  $\bar{P}Z\bar{U}T$   
 $\bar{G}Z\bar{O}Z\bar{t}\bar{a}$   $\bar{G}\bar{O}\bar{A}\bar{U}\bar{o}$   $\bar{t}\bar{A}\bar{G}\bar{A}\bar{a}$   $\bar{O}Z\bar{V}H\bar{t}\bar{U}$   $\bar{r}Z\bar{G}\bar{R}\bar{t}\bar{a}$   $\bar{A}\bar{E}\bar{O}\bar{A}\bar{Q}\bar{o}$   $\bar{O}_n$   $\bar{K}\bar{G}\bar{Q}\bar{o}$   $\bar{B}\bar{A}\bar{Z}$  :Method of standardization  $\bar{g}\bar{A}\bar{A}\bar{H}\bar{t}\bar{a}$   $\bar{G}\bar{O}\bar{A}\bar{U}$   
.209  $\bar{G}H\bar{A}\bar{O}\bar{o}$   $\bar{U}_1$   $\bar{A}\bar{Y}\bar{O}\bar{a}$   $\bar{U}vs$  (ó/ózn 0.5)  $\bar{O}\bar{H}Z\bar{A}V\bar{E}\bar{o}$   $\bar{R}\bar{p}$   $\bar{J}\bar{a}Z\bar{K}\bar{O}$   
.(205  $\bar{G}H\bar{A}\bar{O}\bar{o}$   $\bar{U}_1$ 1963  $\bar{U}SRIP$ )  $C_{76}H_{25}O_{46}$  :R (Tannic acid)  $\bar{O}\bar{E}p\bar{A}Q\bar{o}$   $\bar{R}\bar{p}$   
 $\bar{Z}$   $C_{76}H_{25}O_{46}$   $\bar{O}_n$  Ĥ 50  $\bar{G}\bar{A}\bar{A}\bar{E}$   $\bar{a}\bar{V}\bar{Z}$   $\bar{B}Z\bar{Q}\bar{Z}$   $\bar{R}$   $\bar{O}\bar{E}p\bar{A}Q\bar{o}$   $\bar{R}\bar{t}\bar{\Sigma}$   $\bar{O}Z\bar{V}T$  :TS (ó/ħ50) (Tannic acid)  $\bar{O}\bar{E}p\bar{A}Q\bar{o}$   $\bar{R}\bar{p}$   
 $\bar{A}\bar{Q}\bar{V}\bar{o}$   
 $\bar{O}_n$  Ĥ 200  $\bar{G}\bar{A}\bar{A}\bar{E}$   $\bar{a}\bar{V}\bar{Z}$   $\bar{B}Z\bar{Q}\bar{Z}$   $\bar{O}\bar{A}\bar{A}\bar{U}\bar{A}\bar{U}\bar{o}$   $\bar{R}\bar{t}\bar{\Sigma}$   $\bar{O}Z\bar{V}T$  :TS (ó/ħ200) (Tartaric acid)  $\bar{O}\bar{A}\bar{A}\bar{U}\bar{A}\bar{U}\bar{o}$   $\bar{R}\bar{p}$   
 $\bar{A}\bar{Q}\bar{V}\bar{o}$   $\bar{Z}$   $C_4H_6O_6$   
.ĤĤĤĤ ĤĤĤĤĤĤ ĤĤĤĤĤĤ ġĤĤ :RS (Testosterone enantate)  $\bar{J}\bar{S}K\bar{O}\bar{E}Z\bar{Q}\bar{E}\bar{Q}\bar{o}$   $\bar{g}\bar{A}\bar{Q}p\bar{A}\bar{A}\bar{U}$   
:(Tetrabutylammonium hydroxide/methanol) TS  $\bar{O}Z\bar{p}\bar{A}Z\bar{p}\bar{t}\bar{a}/\bar{Y}Z\bar{p}Z\bar{p}\bar{t}\bar{a}$   $\bar{A}$   $\bar{O}\bar{E}Z\bar{a}$   $\bar{U}\bar{Z}\bar{A}\bar{O}$   $\bar{A}\bar{E}\bar{E}\bar{O}\bar{S}\bar{O}\bar{A}\bar{E}\bar{L}$   
 $\bar{O}Z\bar{O}\bar{\Sigma}\bar{a}$   $\bar{a}\bar{O}\bar{Q}\bar{g}$   $\bar{O}Z\bar{p}\bar{A}Z\bar{p}\bar{t}\bar{a}$  TS  $\bar{Y}Z\bar{p}Z\bar{p}\bar{t}\bar{a}$   $\bar{A}$   $\bar{O}\bar{E}Z\bar{a}$   $\bar{U}\bar{Z}\bar{A}\bar{O}$   $\bar{A}\bar{E}\bar{E}\bar{O}\bar{S}\bar{O}\bar{A}\bar{E}\bar{L}$   $\bar{O}_n$  8 ĤĤ  $\bar{I}\bar{D}Z\bar{g}$   $\bar{Z}\bar{A}\bar{Z}$  :Procedure  $\bar{O}\bar{A}Z\bar{Q}\bar{t}$   
 $\bar{A}\bar{Q}\bar{o}$   $\bar{U}\bar{V}\bar{E}\bar{t}\bar{a}$   $\bar{Z}$   $C_{16}H_{37}NO$   $\bar{O}_n$  Ĥ 0.25  $\bar{a}\bar{V}\bar{Z}$   $\bar{B}Z\bar{Q}\bar{Z}$   $\bar{O}Z\bar{V}T$   $\bar{a}\bar{V}\bar{Z}$   
 $C_{16}H_{37}NO$  :TS (Tetrabutylammonium hydroxide)  $\bar{Y}Z\bar{p}Z\bar{p}\bar{t}\bar{a}$   $\bar{A}$   $\bar{O}\bar{E}Z\bar{a}$   $\bar{U}\bar{Z}\bar{A}\bar{O}$   $\bar{A}\bar{E}\bar{E}\bar{O}\bar{S}\bar{O}\bar{A}\bar{E}\bar{L}$   
.(ó/ózn 1.5~)  $\bar{A}\bar{Q}\bar{V}\bar{o}$   $\bar{Z}$   $C_{16}H_{37}NO$   $\bar{O}_n$  Ĥ 400  $\bar{G}\bar{A}\bar{A}\bar{E}$   $\bar{B}Z\bar{Q}\bar{Z}$   $\bar{O}\bar{H}\bar{t}\bar{a}$   $\bar{Z}$   $\bar{O}Z\bar{V}T$   
 $C_4H_8O$  :R (Tetrahydrofuran)  $\bar{J}\bar{A}\bar{O}Z\bar{Z}\bar{S}\bar{O}\bar{A}\bar{E}\bar{L}$   $\bar{U}\bar{Z}\bar{A}\bar{O}$   
.ĤĤĤĤ  $\bar{U}\bar{g}\bar{A}\bar{H}\bar{r}$   $\bar{G}H\bar{A}\bar{A}\bar{O}\bar{o}$   $\bar{U}\bar{J}Z\bar{Y}\bar{o}$   $\bar{C}\bar{A}\bar{Z}$   $\bar{O}\bar{A}\bar{E}$  :Description  $\bar{Z}\bar{O}Z\bar{U}$   
 $\bar{M}\bar{G}\bar{A}\bar{O}\bar{k}$   $^{\circ}\bar{Y}$  66 :Boiling point  $\bar{J}\bar{A}\bar{V}\bar{O}\bar{o}$   $\bar{G}\bar{U}\bar{O}\bar{p}$   
.  $\rho_{20} = \bar{O}/\bar{I}\bar{O}$  0.886-0.884 :Mass density  $\bar{G}\bar{V}\bar{O}\bar{o}$   $\bar{G}\bar{Z}\bar{A}\bar{J}\bar{O}$   
 $\bar{O}Z\bar{R}\bar{o}$   $\bar{O}_n$   $\bar{a}\bar{H}\bar{K}$   $\bar{U}\bar{A}\bar{E}\bar{D}Z$   $\bar{g}\bar{O}Z\bar{V}\bar{r}$   $\bar{g}K\bar{O}$   $\bar{g}\bar{A}\bar{S}\bar{A}\bar{g}$   $\bar{Z}$   $\bar{J}\bar{A}\bar{Z}$  :Storage  $\bar{O}\bar{A}\bar{A}\bar{O}\bar{o}$   
 $\bar{J}\bar{E}Z\bar{Q}\bar{o}$   $\bar{G}\bar{A}\bar{O}\bar{o}$   $\bar{a}\bar{V}\bar{Z}$   $\bar{U}\bar{O}\bar{.}0.1$   $\bar{O}\bar{Z}$   $\bar{A}\bar{A}\bar{A}$   $\bar{r}$   $\bar{U}\bar{J}\bar{Y}\bar{n}$   $\bar{S}\bar{Z}\bar{A}\bar{g}$   $\bar{B}\bar{U}$   $\bar{A}\bar{E}\bar{O}\bar{A}\bar{K}$   $\bar{J}\bar{E}\bar{a}$   $\bar{J}\bar{A}\bar{E}$   $\bar{A}\bar{Z}$  :Labelling  $\bar{J}\bar{E}Z\bar{Q}\bar{o}$





.V<sub>2</sub>O<sub>5</sub> :R (Vanadium pentoxide)  $\bar{y}z\bar{l}\bar{a}\bar{q}\bar{a}\bar{a}\bar{o}\bar{o}$   $\bar{A}\bar{E}\bar{E}\bar{O}\bar{J}$   $\bar{U}\bar{e}\bar{l}\bar{R}$   
 . $\bar{U}\bar{a}\bar{E}\bar{O}$   $\bar{U}\bar{o}\bar{A}\bar{e}$   $\bar{B}\bar{U}$   $\bar{A}\bar{A}\bar{O}\bar{J}$  -  $\bar{U}\bar{o}\bar{A}\bar{e}$   $\bar{a}z\bar{H}\bar{U}\bar{E}\bar{n}$  :Description  $Z\bar{o}z\bar{w}$   
 $\bar{Z}$   $\bar{H}\bar{E}\bar{Y}\bar{t}_3$   $\bar{a}\bar{i}\bar{s}\bar{a}$   $Kd$   $\bar{U}\bar{g}\bar{l}\bar{a}z\bar{V}\bar{O}\bar{o}\bar{o}\bar{s}$   $g\bar{A}\bar{O}\bar{A}\bar{t}_j$   $\bar{o}z\bar{t}\bar{\Sigma}\bar{i}$   $\bar{Z}$   $\bar{a}\bar{i}\bar{s}\bar{a}$   $\bar{U}\bar{o}\bar{A}\bar{t}_j$   $\bar{Z}$   $J\bar{a}\bar{s}\bar{O}\bar{o}\bar{o}$   $\bar{G}\bar{E}\bar{H}\bar{U}\bar{i}$  :Solubility  $\bar{G}\bar{E}\bar{H}\bar{U}\bar{i}\bar{s}\bar{O}\bar{o}\bar{o}$   
 .TS ( $\bar{o}/\bar{h}750\sim$ )  $\bar{o}z\bar{q}\bar{A}\bar{J}\bar{l}\bar{q}\bar{a}$   
 :TS (Vanadium/sulfuric acid)  $\bar{O}\bar{l}\bar{o}z\bar{A}\bar{Y}\bar{E}\bar{o}\bar{o}$   $\bar{R}\bar{e}\bar{p}/\bar{y}z\bar{l}\bar{a}\bar{q}\bar{a}\bar{a}\bar{o}\bar{o}$   
 $\bar{O}\bar{l}\bar{o}z\bar{A}\bar{Y}\bar{E}\bar{o}\bar{o}$   $\bar{R}\bar{e}\bar{p}$   $\bar{c}\bar{n}$   $\bar{O}\bar{n}$  4  $\bar{Z}$   $R$   $\bar{y}z\bar{l}\bar{a}\bar{q}\bar{a}\bar{a}\bar{o}\bar{o}$   $\bar{A}\bar{E}\bar{E}\bar{O}\bar{J}$   $\bar{U}\bar{e}\bar{l}\bar{R}$   $\bar{c}\bar{n}$   $\bar{h}$  0.20  $\bar{a}\bar{i}\bar{O}\bar{l}$  :Procedure  $\bar{o}\bar{A}\bar{D}Z\bar{q}\bar{i}$   
 . $\bar{O}\bar{n}$  100  $\bar{z}\bar{o}\bar{q}\bar{g}$   $\bar{o}\bar{A}\bar{t}_j\bar{a}$   $g\bar{A}\bar{E}\bar{l}\bar{i}$   $\bar{G}\bar{l}\bar{A}\bar{H}\bar{a}$   $Z\bar{A}\bar{Z}\bar{s}$  TS ( $\bar{o}/\bar{h}1760\sim$ )  
 :TS (Vanillin/hydrochloric acid)  $\bar{O}\bar{l}\bar{o}z\bar{V}\bar{O}\bar{s}\bar{o}\bar{A}\bar{E}\bar{T}\bar{a}$   $\bar{R}\bar{e}\bar{p}/k\bar{V}\bar{e}\bar{q}\bar{A}\bar{A}\bar{o}\bar{o}$   
 TS ( $\bar{o}/\bar{h}250\sim$ )  $\bar{O}\bar{l}\bar{o}z\bar{V}\bar{O}\bar{s}\bar{o}\bar{A}\bar{E}\bar{T}\bar{a}$   $\bar{R}\bar{e}\bar{p}$   $\bar{c}\bar{n}$   $\bar{G}\bar{E}z\bar{A}\bar{O}$   $\bar{G}\bar{E}t\bar{O}$   $\bar{Z}$   $R$   $k\bar{V}\bar{e}\bar{q}\bar{A}\bar{A}\bar{o}\bar{o}$   $\bar{c}\bar{n}$   $\bar{h}$  1.0  $\bar{a}\bar{i}\bar{O}\bar{l}$  :Procedure  $\bar{o}\bar{A}\bar{D}Z\bar{q}\bar{i}$   
 . $\bar{O}\bar{n}$  100  $\bar{z}\bar{A}\bar{O}\bar{q}\bar{q}$   
 . $\bar{H}\bar{D}Z\bar{a}\bar{H}\bar{U}$  TS  $\bar{O}\bar{l}\bar{o}z\bar{V}\bar{O}\bar{s}\bar{o}\bar{A}\bar{E}\bar{T}\bar{a}$   $\bar{R}\bar{e}\bar{p}/k\bar{V}\bar{e}\bar{q}\bar{A}\bar{A}\bar{o}\bar{o}$   $K\bar{R}\bar{O}$   $\bar{A}\bar{E}z$  : $\bar{G}\bar{T}\bar{g}\bar{Y}\bar{n}$   
 . $\bar{G}\bar{E}\bar{o}\bar{s}\bar{A}$   $\bar{G}\bar{E}\bar{a}\bar{A}\bar{E}t\bar{E}\bar{O}$   $\bar{G}\bar{E}\bar{H}\bar{D}Z\bar{A}\bar{n}$   $g\bar{A}\bar{A}\bar{n}$  :RS (Verapamil hydrochloride)  $\bar{O}\bar{E}\bar{n}\bar{A}\bar{a}\bar{K}\bar{A}\bar{o}\bar{o}$   $\bar{A}\bar{l}\bar{o}z\bar{V}\bar{O}\bar{s}\bar{o}\bar{A}\bar{E}\bar{E}\bar{L}$   
 . $\bar{G}\bar{E}\bar{o}\bar{s}\bar{A}$   $\bar{G}\bar{E}\bar{a}\bar{A}\bar{E}t\bar{E}\bar{O}$   $\bar{G}\bar{E}\bar{H}\bar{D}Z\bar{A}\bar{n}$   $g\bar{A}\bar{A}\bar{n}$  :RS (Vincristine sulfate)  $k\bar{A}\bar{e}\bar{A}\bar{O}\bar{A}\bar{E}\bar{A}\bar{o}\bar{o}$   $\bar{g}\bar{A}\bar{A}\bar{V}\bar{e}$   
 . $\bar{G}\bar{E}\bar{o}\bar{s}\bar{A}$   $\bar{G}\bar{E}\bar{a}\bar{A}\bar{E}t\bar{E}\bar{O}$   $\bar{G}\bar{E}\bar{H}\bar{D}Z\bar{A}\bar{n}$   $g\bar{A}\bar{A}\bar{n}$  :RS (Warfarin)  $\bar{c}\bar{l}\bar{o}\bar{A}z\bar{o}z\bar{o}\bar{o}$   
 .(210  $\bar{G}\bar{H}\bar{U}\bar{A}\bar{O}\bar{o}\bar{o}$   $\bar{U}1963$   $\bar{U}SRIP$ )  $C_{13}H_{10}O_2$  :R (Xanthidrol)  $\bar{o}\bar{s}\bar{o}\bar{A}\bar{E}\bar{E}\bar{O}\bar{q}\bar{a}\bar{A}\bar{o}\bar{o}$   
 :TS (Xanthidrol)  $\bar{o}\bar{s}\bar{o}\bar{A}\bar{E}\bar{E}\bar{O}\bar{q}\bar{a}\bar{A}\bar{o}\bar{o}$   
 99 $\bar{s}$  TS ( $\bar{o}/\bar{h}420\sim$ )  $\bar{O}\bar{l}\bar{o}z\bar{V}\bar{O}\bar{s}\bar{o}\bar{A}\bar{E}\bar{T}\bar{a}$   $\bar{R}\bar{e}\bar{p}$   $\bar{c}\bar{n}$   $\bar{O}\bar{n}$  1  $\bar{Z}$   $\bar{o}\bar{s}\bar{o}\bar{A}\bar{E}\bar{E}\bar{O}\bar{q}\bar{a}\bar{A}\bar{o}\bar{o}$   $\bar{c}\bar{n}$   $\bar{H}\bar{Y}\bar{n}$  20  $\bar{a}\bar{i}\bar{O}\bar{l}$  :Procedure  $\bar{o}\bar{A}\bar{D}Z\bar{q}\bar{i}$   
 .TS ( $\bar{o}/\bar{h}300\sim$ )  $\bar{O}\bar{E}\bar{q}\bar{E}\bar{e}\bar{j}\bar{a}$   $\bar{R}\bar{e}\bar{p}$   $\bar{c}\bar{n}$   $\bar{O}\bar{n}$   
 .Zn(C<sub>5</sub>H<sub>10</sub>NS<sub>2</sub>)<sub>2</sub> :R [Zinc bis (dibenzylthiocarbamate)] ( $\bar{g}\bar{A}\bar{n}\bar{A}\bar{e}\bar{o}\bar{A}\bar{O}z\bar{E}\bar{q}$   $\bar{U}\bar{a}\bar{A}\bar{A}\bar{q}$   $\bar{O}\bar{l}\bar{A}\bar{o}\bar{A}\bar{e}$   $\bar{U}\bar{a}\bar{A}\bar{A}\bar{q}$ )  $\bar{E}\bar{E}$   $\bar{O}\bar{q}\bar{a}$   
 . $\bar{R}\bar{e}\bar{A}\bar{U}$   $\bar{B}\bar{o}z\bar{V}\bar{a}$   $\bar{a}z\bar{H}\bar{U}\bar{E}\bar{n}$  :Description  $Z\bar{o}z\bar{w}$   
 .R  $\bar{y}\bar{o}z\bar{z}\bar{s}\bar{o}z\bar{V}\bar{O}\bar{o}\bar{o}$   $\bar{Z}$   $\bar{a}\bar{i}\bar{s}\bar{a}$  :Solubility  $\bar{G}\bar{E}\bar{H}\bar{U}\bar{i}\bar{s}\bar{O}\bar{o}\bar{o}$   
 . $^{\circ}\bar{Y}$  180-178 :Melting range  $\bar{o}\bar{A}\bar{T}\bar{O}\bar{P}\bar{r}\bar{i}$   $\bar{o}\bar{A}\bar{f}$   
 :TS [Zinc bis (dibenzylthiocarbamate)] ( $\bar{g}\bar{A}\bar{n}\bar{A}\bar{e}\bar{o}\bar{A}\bar{O}z\bar{E}\bar{q}$   $\bar{U}\bar{a}\bar{A}\bar{A}\bar{q}$   $\bar{O}\bar{l}\bar{A}\bar{o}\bar{A}\bar{e}$   $\bar{U}\bar{a}\bar{A}\bar{A}\bar{q}$ )  $\bar{E}\bar{E}$   $\bar{O}\bar{q}\bar{a}$   
 $\bar{c}\bar{n}$   $\bar{G}\bar{E}z\bar{A}\bar{O}$   $\bar{G}\bar{E}t\bar{O}$   $\bar{Z}$   $R$  ( $\bar{g}\bar{A}\bar{n}\bar{A}\bar{e}\bar{o}\bar{A}\bar{O}z\bar{E}\bar{q}$   $\bar{U}\bar{a}\bar{A}\bar{A}\bar{q}$   $\bar{O}\bar{l}\bar{A}\bar{o}\bar{A}\bar{e}$   $\bar{U}\bar{a}\bar{A}\bar{A}\bar{q}$ )  $\bar{E}\bar{E}$   $\bar{O}\bar{q}\bar{a}$   $\bar{c}\bar{n}$   $\bar{H}\bar{Y}\bar{n}$  10.0  $\bar{a}\bar{i}\bar{O}\bar{l}$  :Procedure  $\bar{o}\bar{A}\bar{D}Z\bar{q}\bar{i}$   
 . $\bar{O}\bar{n}$  100  $\bar{z}\bar{A}\bar{O}\bar{q}\bar{q}$   $R$   $J\bar{z}\bar{A}\bar{A}\bar{O}\bar{o}\bar{o}$   $\bar{A}\bar{l}\bar{o}z\bar{V}\bar{O}$   $\bar{U}z\bar{A}\bar{e}\bar{o}$   
 . $\bar{G}\bar{E}\bar{o}\bar{s}\bar{A}$   $\bar{G}\bar{E}\bar{a}\bar{A}\bar{E}t\bar{E}\bar{O}$   $\bar{G}\bar{E}\bar{H}\bar{D}Z\bar{A}\bar{n}$   $g\bar{A}\bar{A}\bar{n}$  :RS ( $k\bar{A}\bar{E}\bar{n}z\bar{V}\bar{O}\bar{o}\bar{o}$   $\bar{g}\bar{A}\bar{A}\bar{Q}\bar{E}\bar{E}\bar{O}$   $z\text{-}\bar{h}\bar{s}\bar{A}\bar{O}\bar{t}\bar{a}$ ) (Zuclomifene)  $k\bar{A}\bar{E}\bar{n}z\bar{V}\bar{O}\bar{s}\bar{A}\bar{o}\bar{o}$



