



LKT Laboratories, Inc.

Thiamphenicol

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Product Information

Product ID T2935

CAS No. 15318-45-3

Chemical Name 2,2-Dichloro-N-[(1R,2R)-2-hydroxy-1-(hydroxy-methyl)-2-[4-(methylsulfonyl)phenyl]ethyl]acetamide

Synonym Hyrazin, Igralin, Neomyson, Rigelon, Urfamycine, Urophenil, Methylsulfonyl chloramphenicol

Formula C₁₂H₁₅Cl₂NO₅S

Formula Wt. 356.22

Melting Point 164.3-166.3 °C

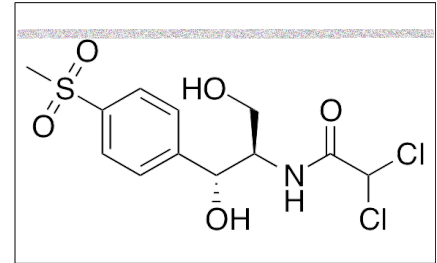
Purity ≥98%

Solubility Soluble in water and alcohol.

Store Temp Ambient

Ship Temp Ambient

Description Thiamphenicol is a chloramphenicol analog that exhibits antibiotic activity. Thiamphenicol inhibits the 50S subunit of the bacterial ribosome, inhibiting protein translation. Thiamphenicol displays antibacterial efficacy against *Streptococcus*, *Staphylococcus*, *Escherichia*, and *Haemophilus*.



Bulk quantities available upon request

Product ID	Size
T2935	1 g
T2935	5 g
T2935	25 g

References Raymond J, Boutros N, Bergeret M. Role of thiamphenicol in the treatment of community-acquired lung infections. *Med Trop (Mars)*. 2004;64(1):33-8. PMID: 15224555.

Marchese A, Debbia EA, Tonoli E, et al. In vitro activity of thiamphenicol against multiresistant *Streptococcus pneumoniae*, *Haemophilus influenzae* and *Staphylococcus aureus* in Italy. *J Chemother*. 2002 Dec;14(6):554-61. PMID: 12583545.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.