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Product Information

Product ID N1976

CAS No. 56391-57-2

Chemical Name O-3-deoxy-4-C-methyl-3-(methylamino)-B-L-arabino- pyranosyl-(1->6)-

O-[2,6-diamino-2,3,4,6-tetradeoxy-

 α -D-glycero-hex-4-enopyranosyl-(1->4)]-2-deoxy-N1-

Synonym Certomycin, Netilyn, Netromycin, Nettacin, Zetamicin

Formula (C₂₁H₄₁N₅O₇)₂ • 5H₂SO₄

Formula Wt. 1441.56

Melting Point

Purity ≥98%

Solubility Soluble in water.

H₂N H₂N H N SH₂SO₄

Bulk quanitites available upon request

 Product ID
 Size

 N1976
 5 mg

 N1976
 10 mg

 N1976
 25 mg

Store Temp 4°C

Ship Temp Ambient

Description Netilmicin is an aminoglycoside antibiotic that displays activity against both gram positive and gram negative bacteria, although

it is most effective against gram negative bacteria. Netilmicin binds 16s rRNA of the bacterial 30S ribosome, inhibiting translation and tRNA translocation. Netilmicin also decreases melanocyte viability, tyrosinase activity, and melanin production

in vitro.

References Wrześniok D, Beberok A, Otreba M, et al. Netilmicin-induced modulation of melanogenesis in HEMa-LP melanocytes. Acta Pol Pharm. 2013 Sep-Oct;70(5):803-8. PMID: 24147358.

Liu TX, Xue XD, Wei LH, et al. Study of plasmid-mediated 16S rRNA methylase genes and drug-resistant transferability of Acinetobacter baumannii isolated from burn ward. Zhonghua Shao Shang Za Zhi. 2009 Apr;25(2):98-102. PMID: 19799032.

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