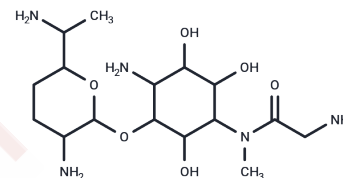


3-O-Demethylfortimicin A

Chemical Properties

CAS No. :	74842-47-0
Formula:	C ₁₆ H ₃₃ N ₅ O ₆
Molecular Weight:	391.46
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	3-O-Demethylfortimicin A is an antibiotic.
Targets(IC50)	Others, Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5545 mL	12.7727 mL	25.5454 mL
5 mM	0.5109 mL	2.5545 mL	5.1091 mL
10 mM	0.2555 mL	1.2773 mL	2.5545 mL
50 mM	0.0511 mL	0.2555 mL	0.5109 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Sennello LT, Wilson DS, Afarian J, Holtam LS, Norman G, Rollins DE, Tolman KG. Single-dose pharmacokinetics of 3-O-demethylfortimicin A in humans after intravenous and intramuscular administration. *Antimicrob Agents Chemother.* 1986 Mar;29(3):400-4. PubMed PMID: 3717941; PubMed Central PMCID: PMC180402.
- Tadanier J, Hallas R. 3-O-demethyl-2,3-di-epi-fortimicins and 3-O-demethyl-3-epi-fortimicins. *J Antibiot (Tokyo).* 1983 Mar;36(3):256-66. PubMed PMID: 6833145.
- Neu HC. The in-vitro activity of O-demethylfortimicin. *J Antimicrob Chemother.* 1983 Feb;11(2):181-5. PubMed PMID: 6833173.
- Jones RN, Thornsberry C, Barry AL, Packer RR, Baker CN, Badal RE. Compound A49759, the 3-O-demethyl derivative of fortimicin A: in vitro comparison with six other aminoglycoside antibiotics. *Antimicrob Agents Chemother.* 1980 Nov;18(5):773-9. PubMed PMID: 7447431; PubMed Central PMCID: PMC284090.

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