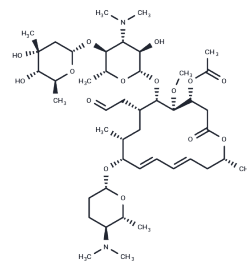


Acetylspiramycin

Chemical Properties

CAS No. :	24916-51-6
Formula:	C ₄₅ H ₇₆ N ₂ O ₁₅
Molecular Weight:	885.09
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Acetylspiramycin (Spiramycin B) targets 50S ribosome to inhibit protein synthesis.
Targets(IC50)	ribosome,Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: 27.5 mg/mL (31.07 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1298 mL	5.6491 mL	11.2983 mL
5 mM	0.226 mL	1.1298 mL	2.2597 mL
10 mM	0.113 mL	0.5649 mL	1.1298 mL
50 mM	0.0226 mL	0.113 mL	0.226 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.

Reference

Kondo A, et al. Jpn J Antibiot. 1990 Sep;43(9):1521-9.

Li H, Li J, Li J, et al.Carrimycin inhibits coronavirus replication by decreasing the efficiency of programmed-1 ribosomal frameshifting through directly binding to the RNA pseudoknot of viral frameshift-stimulatory element. Acta Pharmaceutica Sinica B.2024

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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