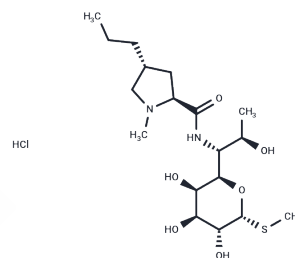


Lincomycin hydrochloride

Chemical Properties

CAS No. :	859-18-7
Formula:	C ₁₈ H ₃₄ N ₂ O ₆ ·HCl
Molecular Weight:	443
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Lincomycin hydrochloride (U10149A) is a lincosamide antibiotic identified in <i>S. lincolnensis</i> with activity against gram-positive cocci and anaerobic bacteria.
Targets(IC50)	ribosome,Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: 82 mg/mL (185.1 mM),Sonication is recommended. H2O: 50 mg/mL (112.87 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	2.2573 mL	11.2867 mL	22.5734 mL
5 mM	0.4515 mL	2.2573 mL	4.5147 mL
10 mM	0.2257 mL	1.1287 mL	2.2573 mL
50 mM	0.0451 mL	0.2257 mL	0.4515 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

Odom OW, Hardesty B. J Biol Chem. 1992 Sep 25;267(27):19117-22.

Zheng Y, Chai R, Wang T, et al.RNA polymerase stalling-derived genome instability underlies ribosomal antibiotic efficacy and resistance evolution.Nature Communications.2024, 15(1): 6579.

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