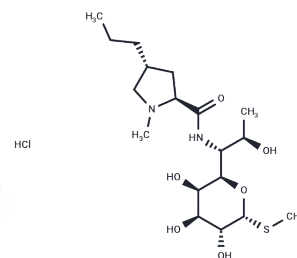


Lincomycin hydrochloride

Chemical Properties

CAS No. :	859-18-7
Formula:	C ₁₈ H ₃₄ N ₂ O ₆ S·HCl
Molecular Weight:	443
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	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, DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 125 mg/mL (282.17 mM), Sonication is recommended. H ₂ O: 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.

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

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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