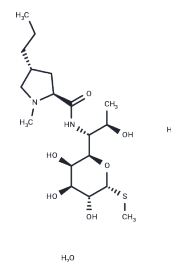


Lincomycin hydrochloride monohydrate

Chemical Properties

CAS No. : 7179-49-9
Formula: C₁₈H₃₄N₂O₆S·HCl·H₂O
Molecular Weight: 461.01
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Lincomycin hydrochloride monohydrate (Lincomycin hydrochloride hydrate) is an antibiotic produced by <i>Streptomyces lincolnensis</i> var. <i>lincolnensis</i> . It has been used in the treatment of staphylococcal, streptococcal, and <i>Bacteroides fragilis</i> infections.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 16.67 mg/mL (36.16 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	2.1692 mL	10.8458 mL	21.6915 mL
5 mM	0.4338 mL	2.1692 mL	4.3383 mL
10 mM	0.2169 mL	1.0846 mL	2.1692 mL
50 mM	0.0434 mL	0.2169 mL	0.4338 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.

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