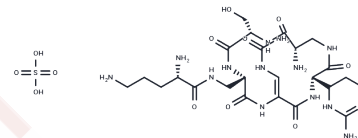


Capreomycin sulfate

Chemical Properties

CAS No. :	1405-37-4
Formula:	C ₂₄ H ₄₄ N ₁₄ O ₁₂ S
Molecular Weight:	752.76
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Capreomycin sulfate (Capastat sulfate) , a cyclic peptide antibiotic, binds to the 70S ribosomal unit leading to inhibition of protein synthesis.
Targets(IC50)	ribosome,Antibacterial,Antibiotic
In vivo	At a pH of approximately 5, under the action of the amino group of the α,β -diaminopropionic acid residue, Capreomycin chelates with Cu(2+) ions.

Solubility Information

Solubility	H ₂ O: 100.00 mg/mL (132.84 mM),Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3284 mL	6.6422 mL	13.2844 mL
5 mM	0.2657 mL	1.3284 mL	2.6569 mL
10 mM	0.1328 mL	0.6642 mL	1.3284 mL
50 mM	0.0266 mL	0.1328 mL	0.2657 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

Stokowa K, et al. J Inorg Biochem, 2012, 106(1), 111-116.

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