

Capreomycin sulfate

Chemical Properties

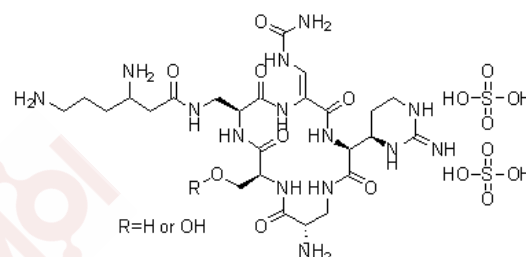
CAS No. : 1405-37-4

Formula:

Molecular Weight:

Appearance: no data available

Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



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 $\text{Cu}(2+)$ ions.

Solubility Information

Solubility	H2O: 100 mg/mL,Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

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

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