

Capreomycin free base

Chemical Properties

CAS No. :	11003-38-6
Formula:	C50H88N28O15
Molecular Weight:	1321.43
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 is a polypeptide antibiotic originally isolated from <i>S. capreolus</i> . It is active against <i>M. tuberculosis</i> (MIC = 10 µg/ml). Capreomycin binds to both the 30S and 50S ribosomal subunits, inhibiting protein synthesis.
Targets(IC50)	Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7568 mL	3.7838 mL	7.5676 mL
5 mM	0.1514 mL	0.7568 mL	1.5135 mL
10 mM	0.0757 mL	0.3784 mL	0.7568 mL
50 mM	0.0151 mL	0.0757 mL	0.1514 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481