

3-Methyl-chuangxinmycin

Chemical Properties

CAS No. :

Formula: C₁₃H₁₃NO₂S

Molecular Weight: 247.31

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	3-Methyl-chuangxinmycin, an antibiotic, inhibits the enzyme responsible for synthesizing tryptophan tRNA (TrpRS), thereby affecting the translation process in both bacteria and mammalian cells. Additionally, it downregulates genes associated with interferon, TNF, and inflammatory responses in RDEB_L1 cells.
Targets(IC50)	Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0435 mL	20.2175 mL	40.4351 mL
5 mM	0.8087 mL	4.0435 mL	8.087 mL
10 mM	0.4044 mL	2.0218 mL	4.0435 mL
50 mM	0.0809 mL	0.4044 mL	0.8087 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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