

Mocimycin

Chemical Properties

CAS No. :	50935-71-2
Formula:	C43H60N2O12
Molecular Weight:	796.94
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	Mocimycin (Kirromycin) is an antibiotic originally isolated from Streptomyces and an inhibitor of protein biosynthesis. It inhibits isoleucine incorporation, polyphenylalanine synthesis, and growth of B. brevis. Kirromycin inhibits elongation factor Tu-dependent peptidyl transfer activity in E. coli.
Targets(IC50)	Others,Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: Soluble Methanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2548 mL	6.274 mL	12.548 mL
5 mM	0.251 mL	1.2548 mL	2.5096 mL
10 mM	0.1255 mL	0.6274 mL	1.2548 mL
50 mM	0.0251 mL	0.1255 mL	0.251 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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