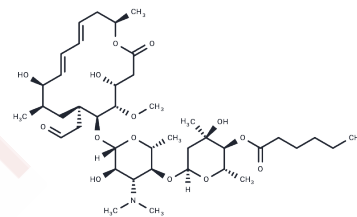


Leucomycin A13

Chemical Properties

CAS No. :	78897-52-6
Formula:	C41H69NO14
Molecular Weight:	799.98
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	Leucomycin A13 is a macrolide antibiotic and a component of the leucomycin complex originally isolated from <i>S. kitasatoensis</i> . It is active against <i>B. subtilis</i> , <i>S. aureus</i> , <i>M. luteus</i> , and <i>E. coli</i> with MIC values of 0.16, 0.16, 0.08, and >10 µg/ml, respectively. It binds to ribosomes with an IC50 value of 1.2 µM in a radioligand binding assay.
Targets(IC50)	Others,Antibiotic

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.250 mL	6.2502 mL	12.5003 mL
5 mM	0.250 mL	1.250 mL	2.5001 mL
10 mM	0.125 mL	0.625 mL	1.250 mL
50 mM	0.025 mL	0.125 mL	0.250 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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