Data Sheet (Cat.No.T24330)

TargetMol

L 681217

Chemical Properties

CAS No. : 93522-10-2

Formula: C36H53NO10

Molecular Weight: 659.81

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	L 681217 is a glycolipid-type antibiotic related to the efrotomycin class. L-681217 inhibits bacterial protein synthesis at the elongation stage. L 681217 shows broad-spectrum antibiotic activity against Gram-positive and Gram-negative bacteria.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5156 mL	7.5779 mL	15.1559 mL
5 mM	0.3031 mL	1.5156 mL	3.0312 mL
10 mM	0.1516 mL	0.7578 mL	1.5156 mL
50 mM	0.0303 mL	0.1516 mL	0.3031 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.

Reference

Kempf AJ, Wilson KE, Hensens OD, Monaghan RL, Zimmerman SB, Dulaney EL. L-681,217, a new and novel member of the efrotomycin family of antibiotics. J Antibiot (Tokyo). 1986 Oct;39(10):1361-7. PubMed PMID: 3781906.

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