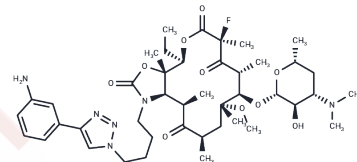


Solithromycin

Chemical Properties

CAS No. :	760981-83-7
Formula:	C43H65FN6O10
Molecular Weight:	845.01
Appearance:	no data available
Storage:	store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Solithromycin (OP-1068) is an orally bioavailable antimicrobial agent that inhibits cell viability, protein synthesis, and growth rate of <i>Streptococcus pneumoniae</i> , <i>Staphylococcus aureus</i> , <i>Staphylococcus aureus</i> , and <i>Haemophilus influenzae</i> with IC50 values of 7.5 ng/mL, 40 ng/mL, and 125 ng/mL, respectively. Solithromycin inhibits protein biosynthesis by binding to the large 50S subunit of the ribosome.
Targets(IC50)	Antibacterial, Antibiotic

Solubility Information

Solubility	DMSO: 50 mg/mL (59.17 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1834 mL	5.9171 mL	11.8342 mL
5 mM	0.2367 mL	1.1834 mL	2.3668 mL
10 mM	0.1183 mL	0.5917 mL	1.1834 mL
50 mM	0.0237 mL	0.1183 mL	0.2367 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.

Reference

Kobayashi Y, et al. Br J Pharmacol. 2013 Jul;169(5):1024-34.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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