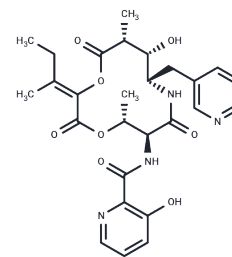


Pyridomycin

Chemical Properties

CAS No. :	18791-21-4
Formula:	C ₂₇ H ₃₂ N ₄ O ₈
Molecular Weight:	540.57
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Pyridomycin is a structurally unusual antimycobacterial cyclodepsipeptide whose composition includes two rare moieties: 3-(3-pyridyl)-L-alanine and 2-hydroxy-3-methylpent-2-enoic acid. It inhibits NADH-dependent enoyl (Acyl-Carrier-Protein) reductase InhA, preventing mycolic acid synthesis in <i>M. tuberculosis</i> , including isoniazid-resistant strains (MICs = 0.31-0.63 µg/ml).
Targets(IC50)	Others, Antibacterial, Antibiotic

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.8499 mL	9.2495 mL	18.499 mL
5 mM	0.370 mL	1.8499 mL	3.6998 mL
10 mM	0.185 mL	0.9249 mL	1.8499 mL
50 mM	0.037 mL	0.185 mL	0.370 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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