

Biotin protein ligase-IN-1

Chemical Properties

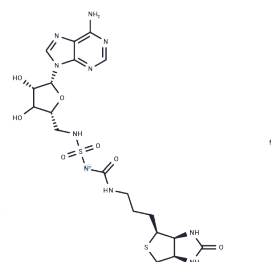
CAS No. :

Formula: C19H27N10NaO7S2

Molecular Weight: 594.6

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	Biotin protein ligase-IN-1 (Compound Bio-9) is an inhibitor of biotin protein ligase (BPL) with a Kd of 7 nM. This compound exhibits antimicrobial activity, with minimum inhibitory concentration (MIC) values of 0.2 μ M against Staphylococcus aureus (including MRSA and MSSA) and 20 μ M against Mycobacterium tuberculosis.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6818 mL	8.409 mL	16.818 mL
5 mM	0.3364 mL	1.6818 mL	3.3636 mL
10 mM	0.1682 mL	0.8409 mL	1.6818 mL
50 mM	0.0336 mL	0.1682 mL	0.3364 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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