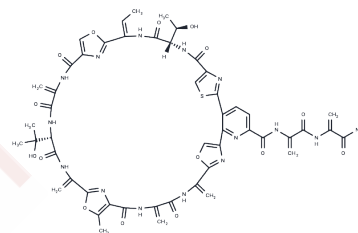


Geninthiocin A

Chemical Properties

CAS No. :	158792-27-9
Formula:	C ₅₀ H ₄₉ N ₁₅ O ₁₅ S
Molecular Weight:	1132.09
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	Geninthiocin A is a cyclic thiopeptide bacterial metabolite originally isolated from <i>Streptomyces</i> sp. DD84. It is active against a variety of Gram-positive bacteria (MICs = 0.2-4 µg/ml), the Gram-negative bacterium <i>C. violaceum</i> (MIC = 19 µg/ml), and the fungus <i>M. hiemalis</i> (MIC = 38 µg/ml). Geninthiocin A also induces <i>tipA</i> promoter transcription with a minimum induction concentration of 1.2 ng/ml.
Targets(IC50)	Others, Antibacterial, Antifungal

Solubility Information

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

	1mg	5mg	10mg
1 mM	0.8833 mL	4.4166 mL	8.8332 mL
5 mM	0.1767 mL	0.8833 mL	1.7666 mL
10 mM	0.0883 mL	0.4417 mL	0.8833 mL
50 mM	0.0177 mL	0.0883 mL	0.1767 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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