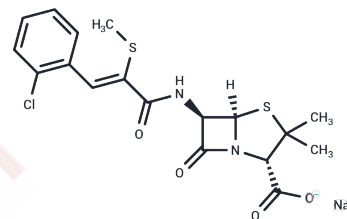


Thiocillin

Chemical Properties

CAS No. :	4414-51-1
Formula:	C ₁₈ H ₁₈ ClN ₂ NaO ₄ S ₂
Molecular Weight:	448.919
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	Thiocillin is a thiopeptide RiPP and acts as an antibacterial agent. It targets the bacterial 50S ribosome and demonstrates potent antimicrobial activity against various resistant pathogens.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2276 mL	11.1378 mL	22.2757 mL
5 mM	0.4455 mL	2.2276 mL	4.4551 mL
10 mM	0.2228 mL	1.1138 mL	2.2276 mL
50 mM	0.0446 mL	0.2228 mL	0.4455 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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