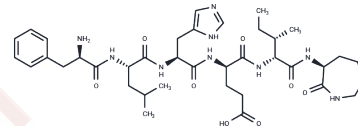


Calpinactam

Chemical Properties

CAS No. :	1205538-83-5
Formula:	C38H57N9O8
Molecular Weight:	767.929
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	Calpinactam is a fungal metabolite originally isolated from <i>M. alpina</i> that has antimycobacterial activity. It is active against <i>M. smegmatis</i> (MIC = 0.78 µg/ml) but not a panel of 13 other bacteria and fungi. Calpinactam increases survival in a silkworm model of <i>M. smegmatis</i> infection (ED50 = 5 µg/larva).
Targets(IC50)	Others,Endogenous Metabolite,Antibacterial

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.3022 mL	6.511 mL	13.022 mL
5 mM	0.2604 mL	1.3022 mL	2.6044 mL
10 mM	0.1302 mL	0.6511 mL	1.3022 mL
50 mM	0.026 mL	0.1302 mL	0.2604 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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