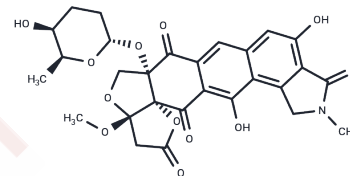


Lactonamycin

Chemical Properties

CAS No. :	182234-02-2
Formula:	C ₂₈ H ₂₇ N ₁ O ₁₂
Molecular Weight:	569.513
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	Lactonamycin exhibits significant activity against Gram-positive bacteria, including Staphylococcus, Streptococcus, Enterococcus, MRSA (MIC of 0.39-0.78 µg/mL), and VRE (MIC of 0.39-0.78 µg/mL). It also demonstrates inhibitory effects on various tumor cell lines such as L-1210, P388, S180, FS-3, Ehrlich, and B16-BL5 (IC ₅₀ of 0.06-3.3 µg/mL).
Targets(IC ₅₀)	Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7559 mL	8.7795 mL	17.559 mL
5 mM	0.3512 mL	1.7559 mL	3.5118 mL
10 mM	0.1756 mL	0.8779 mL	1.7559 mL
50 mM	0.0351 mL	0.1756 mL	0.3512 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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