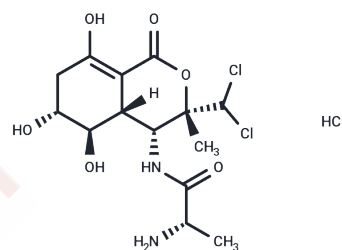


Bactobolin A hydrochloride

Chemical Properties

CAS No. :	73543-68-7
Formula:	C ₁₄ H ₂₀ Cl ₂ N ₂ O ₆ .HCl
Molecular Weight:	419.68
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	Bactobolin A, a microbial metabolite initially derived from Pseudomonas, exhibits both antibiotic and anticancer properties. It demonstrates activity against various bacteria including <i>S. aureus</i> , <i>S. epidermidis</i> , <i>S. faecalis</i> , <i>B. anthracis</i> , <i>B. subtilis</i> , <i>E. coli</i> , <i>S. typhi</i> , and <i>S. dysenteriae</i> , with minimum inhibitory concentrations (MICs) ranging from 0.1 to 12.5 µg/ml. Additionally, in vivo studies show that bactobolin A enhances survival rates at doses of 0.25 to 4 mg/kg in an L1210 murine leukemia model.
Targets(IC50)	Others,Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: Soluble H ₂ O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3828 mL	11.9138 mL	23.8277 mL
5 mM	0.4766 mL	2.3828 mL	4.7655 mL
10 mM	0.2383 mL	1.1914 mL	2.3828 mL
50 mM	0.0477 mL	0.2383 mL	0.4766 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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