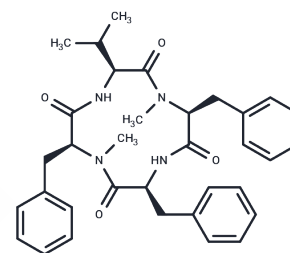


Hirsutide

Chemical Properties

CAS No. : 865368-30-5
 Formula: C₃₄H₄₀N₄O₄
 Molecular Weight: 568.71
 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	Hirsutide is a cyclotetrapeptide fungal metabolite produced by the entomopathogenic fungus <i>Hirsutella</i> . It has antibacterial activity against <i>C. pyogenes</i> , <i>S. aureus</i> , <i>P. aeruginosa</i> , and <i>K. pneumonia</i> (MICs = 25, 13, 6, and 21 µg/cm ³ , respectively). Hirsutide also has antifungal activity against <i>C. albicans</i> , <i>M. audouinii</i> , <i>A. niger</i> , and <i>Ganoderma</i> (MICs = 13, 6, 25, and 6 µg/cm ³ , respectively).
Targets(IC50)	Others,Antifungal

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.7584 mL	8.7918 mL	17.5837 mL
5 mM	0.3517 mL	1.7584 mL	3.5167 mL
10 mM	0.1758 mL	0.8792 mL	1.7584 mL
50 mM	0.0352 mL	0.1758 mL	0.3517 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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