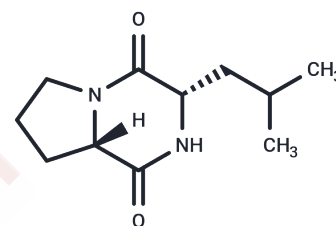


Cyclo(L-Leu-L-Pro)

Chemical Properties

CAS No. :	2873-36-1
Formula:	C ₁₁ H ₁₈ N ₂ O ₂
Molecular Weight:	210.27
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	Cyclo(L-Leu-L-Pro) is a compound from Pseudomonas sesquiterpenes BC42 that exhibits antifungal activity, inhibiting fungal pathogens, the proliferation of Aspergillus flavus, conidial germination, and conidial formation, making it useful for agricultural biocontrol.
Targets(IC50)	Antifungal

Solubility Information

Solubility	DMSO: 80 mg/mL (380.46 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7558 mL	23.779 mL	47.5579 mL
5 mM	0.9512 mL	4.7558 mL	9.5116 mL
10 mM	0.4756 mL	2.3779 mL	4.7558 mL
50 mM	0.0951 mL	0.4756 mL	0.9512 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.

Reference

Zin NM, et al. Gancidin W, a potential low-toxicity antimalarial agent isolated from an endophytic Streptomyces SUK10. Drug Des Devel Ther. 2017 Feb 8;11:351-363.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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