Data Sheet (Cat.No.TP1186)



Cyclo(Phe-Pro)

Chemical Properties

CAS No.: 14705-60-3

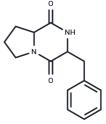
Formula: C14H16N2O2

Molecular Weight: 244.29

Appearance: no data available

Storage: keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Cyclo(Phe-Pro) (A-64863) known as a secondary metabolite of some bacteria and fungi, is also produced by Vibrio vulnificus.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 125 mg/mL (511.69 mM),Sonication is recommended.
	(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0935 mL	20.4675 mL	40.935 mL
5 mM	0.8187 mL	4.0935 mL	8.187 mL
10 mM	0.4093 mL	2.0467 mL	4.0935 mL
50 mM	0.0819 mL	0.4093 mL	0.8187 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.

Reference

Lee W, et al. Vibrio vulnificus quorum-sensing molecule cyclo(Phe-Pro) inhibits RIG-I-mediated antiviral innate immunity. Nat Commun. 2018 Apr 23;9(1):1606.

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