Data Sheet (Cat.No.TN6446)

TargetMol

Cyclo(Ile-Val)

Chemical Properties

CAS No. : 104068-43-1

Formula: C11H20N2O2

Molecular Weight: 212.29

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(Ile-Val) shows moderate antifungal and weak antitumor activities in vitro.
In vitro	METHODS AND RESULTS:Three new cyclopeptides, including halolitoralin A (a cyclic hexapeptide), halolitoralin B and C (two cyclic tetrapeptides), together with three known cyclic dipeptides, cyclo(Pro-Val), cyclo(Pro-Leu) and Cyclo(Ile-Val) were isolated from the ferment broth of a marine sediment-derived Halobacillus litoralis YS3106. CONCLUSIONS:The cyclopeptides show surprisingly simple architectures with highly repeated residue units, which showed moderate antifungal and weak antitumor activities in vitro.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7105 mL	23.5527 mL	47.1054 mL
5 mM	0.9421 mL	4.7105 mL	9.4211 mL
10 mM	0.4711 mL	2.3553 mL	4.7105 mL
50 mM	0.0942 mL	0.4711 mL	0.9421 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

Antifungal cyclopeptides from Halobacillus litoralis YS3106 of marine origin Tetrahedron Lett.,2002,33(51):6545-8.

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