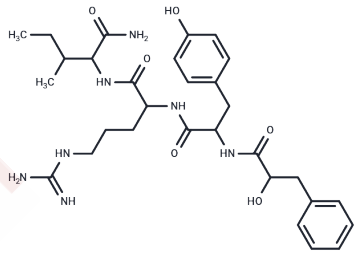
Data Sheet (Cat.No.T23739)

TargetMol

Antho-riamide I

Chemical Properties



CAS No. : 139026-54-3

Formula: C30H43N7O6

Molecular Weight: 597.71

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	Antho-Riamide I is an active peptide. It also inhibits the spontaneous contraction of sea anemone muscles.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6731 mL	8.3653 mL	16.7305 mL
5 mM	0.3346 mL	1.6731 mL	3.3461 mL
10 mM	0.1673 mL	0.8365 mL	1.6731 mL
50 mM	0.0335 mL	0.1673 mL	0.3346 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

McFarlane ID, Hudman D, Nothacker HP, Grimmelikhuijzen CJ. The expansion behaviour of sea anemones may be coordinated by two inhibitory neuropeptides, Antho-KAamide and Antho-RIamide. Proc Biol Sci. 1993 Aug 23;253 (1337):183-8. PubMed PMID: 8397415.

Nothacker HP, Rinehart KL, McFarlane ID, Grimmelikhuijzen CJ. Isolation of two novel neuropeptides from sea anemones: the unusual, biologically active L-3-phenyllactyl-Tyr-Arg-Ile-NH2 and its des-phenyllactyl fragment Tyr-Arg-Ile-NH2. Peptides. 1991 Nov-Dec;12(6):1165-73. PubMed PMID: 1821096.

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