

Locustatachykinin I acetate

Chemical Properties

CAS No. :

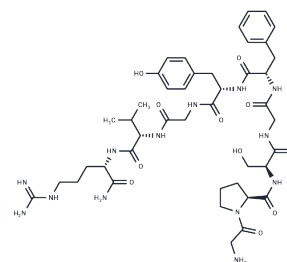
Formula: C43H63N13O11

Molecular Weight: 938.04

Keep away from moisture

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	Locustatachykinin I acetate is a substrate for a deamidase in Lacanobia. Locustatachykinin I acetate is an insect tachykinin-related peptide isolated from Locusta migratoria.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 132.5 mg/mL (141.25 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0661 mL	5.3303 mL	10.6605 mL
5 mM	0.2132 mL	1.0661 mL	2.1321 mL
10 mM	0.1066 mL	0.533 mL	1.0661 mL
50 mM	0.0213 mL	0.1066 mL	0.2132 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

- R Elwyn Isaac, et al. Inactivation of a tachykinin-related peptide: identification of four neuropeptide-degrading enzymes in neuronal membranes of insects from four different orders. *Peptides*. 2002 Apr;23(4):725-33.
- L Schoofs, et al. Locustatachykinin I and II, two novel insect neuropeptides with homology to peptides of the vertebrate tachykinin family. *FEBS Lett*. 1990 Feb 26;261(2):397-401.

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