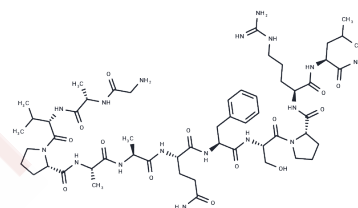


Locustamyotropin

Chemical Properties

CAS No. :	129192-62-7
Formula:	C55H89N17O14
Molecular Weight:	1212.4
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Locustamyotropin is a novel peptide isolated from <i>Leucophaea maderae</i> ; stimulates the spontaneous contractions of the hindgut of <i>Leucophaea maderae</i> .
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8248 mL	4.1241 mL	8.2481 mL
5 mM	0.165 mL	0.8248 mL	1.6496 mL
10 mM	0.0825 mL	0.4124 mL	0.8248 mL
50 mM	0.0165 mL	0.0825 mL	0.165 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

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- Schoofs L, Holman GM, Hayes TK, Tips A, Nachman RJ, Vandesande F, De Loof A. Isolation, identification and synthesis of locustamyotropin (Lom-MT), a novel biologically active insect peptide. *Peptides.* 1990 May-Jun;11(3):427-33. PubMed PMID: 1974346.
- Isaac R, Schoofs L, Williams TA, Veelaert D, Sajid M, Corvol P, Coates D. A novel peptide-processing activity of insect peptidyl-dipeptidase A (angiotensin I-converting enzyme): the hydrolysis of lysyl-arginine and arginyl-arginine from the C-terminus of an insect prohormone peptide. *Biochem J.* 1998 Feb 15;330 (Pt 1):61-5. PubMed PMID: 9461491; PubMed Central PMCID: PMC1219108.
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