

Egg Laying Hormone, aplysia

Chemical Properties

CAS No. :	117680-39-4
Formula:	C190H329N59O57S
Molecular Weight:	4384.2
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>

ISINQDLKAITDMLLTEQIRERQRYLADLRQRLLK-NH₂

Biological Description

Description	Egg-laying hormone (ELH) is a neuropeptide synthesized by the bag cell neurons, Egg-laying hormone (ELH) induces egg laying and its correlated behavior in Aplysia californica. Egg-laying hormone (ELH) has been purified to homogeneity and Egg-laying hormone (ELH)'s primary structure has been determined. Egg-laying hormone (ELH) have 36 amino acid residues with a Mr of 4385 and a calculated isoelectric point of 9.7. Egg Laying Hormone of Aplysia induces a voltage-dependent slow inward current carried by Na ⁺ in an identified motoneuron.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2281 mL	1.1405 mL	2.2809 mL
5 mM	0.0456 mL	0.2281 mL	0.4562 mL
10 mM	0.0228 mL	0.114 mL	0.2281 mL
50 mM	0.0046 mL	0.0228 mL	0.0456 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

Kirk MD, et al. Egg-laying hormone of Aplysia induces a voltage-dependent slow inward current carried by Na⁺ in an identified motoneuron. Proc Natl Acad Sci U S A. 1986 May;83(9):3017-21.

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