

LGNRH-III, lamprey acetate(147859-97-0 free base)

Chemical Properties

CAS No. :

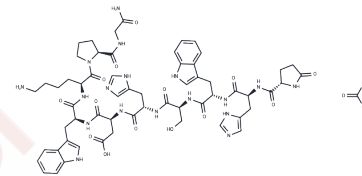
Formula: C₆₁H₇₈N₁₈O₁₆

Molecular Weight: 1319.38

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	LGNRH-III, lamprey acetate is an evolutionarily conserved member of the GnRH family, can stimulate the secretion of gonadotropins, it stimulates the secretion of both luteinizing and follicle-stimulating hormones.
Targets(IC50)	GNRH Receptor

Solubility Information

Solubility	DMSO: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7579 mL	3.7897 mL	7.5793 mL
5 mM	0.1516 mL	0.7579 mL	1.5159 mL
10 mM	0.0758 mL	0.379 mL	0.7579 mL
50 mM	0.0152 mL	0.0758 mL	0.1516 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

Pappa EV, et al. Structure-activity studies of LGNRH-III through rational amino acid substitution and NMR conformational studies. Biopolymers. 2012;98(6):525-34.

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