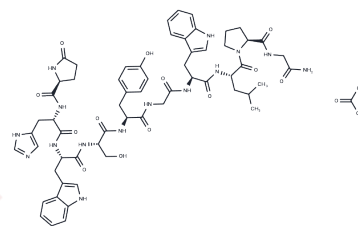


LH-RH, salmon acetate(86073-88-3 free base)

Chemical Properties

CAS No. : TP1112L
Formula: C62H77N15O15
Molecular Weight: 1272.35
Appearance: no data available
Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	LH-RH, salmon acetate(86073-88-3 free base) (Luteinizing Hormone Releasing Hormone (LH-RH), salmon acetate) is a pituitary Hormone synthesized in the hypothalamus and plays a crucial role in the control of reproductive function.
Targets(IC50)	Others
In vitro	Luteinizing hormone-releasing hormone (LHRH) is the key hormone in the control of reproductive functions.LHRH acts as an antimitogenic factor through the activation of the Gi-cAMP intracellular signaling pathway. LHRH might act as an inhibitory factor on both cell proliferation and metastatic behavior in melanoma cells[1]. The hypothalamic decapeptide luteinizing hormone-releasing hormone (LHRH) plays a central role in the control of reproduction by stimulating the release of pituitary luteinizing hormone (LH) and follicle-stimulating hormone (FSH), which in turn promote gonadal functions and regulate sex steroid secretion. The effects of LHRH are mediated by high-affinity G protein-coupled LHRH-receptor (LHRH-R) on pituitary gonadotropes. The responses to LHRH vary under different conditions and critically depend on the regimens of administration and doses delivered to gonadotrope cells[2].

Solubility Information

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

	1mg	5mg	10mg
1 mM	0.7859 mL	3.9297 mL	7.8595 mL
5 mM	0.1572 mL	0.7859 mL	1.5719 mL
10 mM	0.0786 mL	0.393 mL	0.7859 mL
50 mM	0.0157 mL	0.0786 mL	0.1572 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.

Reference

Moretti RM, et al. Inhibitory activity of luteinizing hormone-releasing hormone on tumor growth and progression. *Endocr Relat Cancer*. 2003 Jun;10(2):161-7.

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