

GnRH-I

Chemical Properties

CAS No.:	TP1342
Formula:	C ₅₀ H ₇₅ N ₁₇ O ₁₃
Molecular Weight:	1182.32
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	GnRH-I is a small 10 amino acid long peptide (decapeptide) from the hypothalamus, It is also known as luteinizing hormone releasing hormone (LHRH), is a key molecule in the regulation of reproduction in vertebrates. GnRH, a decapeptide, is produced by neurons in the medial basal hypothalamus (MBH) and secreted in a pulsatile manner into the cardiovascular system.
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Solubility Information

Solubility	H ₂ O: 50 mg/mL (42.29 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.846 mL	4.229 mL	8.458 mL
5 mM	0.169 mL	0.846 mL	1.692 mL
10 mM	0.085 mL	0.423 mL	0.846 mL
50 mM	0.017 mL	0.085 mL	0.169 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481