

GnRH-I

Chemical Properties

CAS No. :

Formula: C50H75N17O13

Molecular Weight: 1182.32

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

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.

Solubility Information

Solubility

H2O: 50 mg/mL (42.29 mM), Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.8458 mL | 4.229 mL | 8.4579 mL |
| 5 mM | 0.1692 mL | 0.8458 mL | 1.6916 mL |
| 10 mM | 0.0846 mL | 0.4229 mL | 0.8458 mL |
| 50 mM | 0.0169 mL | 0.0846 mL | 0.1692 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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