

Human growth hormone-releasing factor acetate

Chemical Properties

CAS No. :

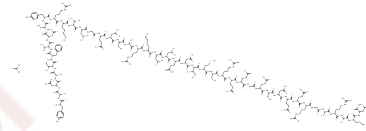
Formula: C217H362N72O68S

Molecular Weight: 5099.70

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	Human growth hormone-releasing factor acetate is a hypothalamic polypeptide and stimulates GH production and release by binding to the GHRH Receptor (GHRHR) on cells in the anterior pituitary[1].
Targets(IC50)	GHSR
In vitro	The GHRHR is a member of the class II B GPCR family, which couples predominantly to the Gs-adenylate cyclase-cAMP signaling pathway. Peptide hormones that activate class II GPCRs include GHRH, secretin, glucagon-like peptides, gastric-inhibitory peptide (GIP), pituitary adenylate cyclase-activating peptide, corticotropin-releasing hormone, vasoactive intestinal peptide, parathyroid hormone, and calcitonin-related peptides[1]. GHRH, expressed in the arcuate nucleus of the hypothalamus and released into portal vasculature, directly stimulates growth hormone synthesis and secretion from the pituitary somatotropes by activating the corresponding GHRH receptors[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1961 mL	0.9804 mL	1.9609 mL
5 mM	0.0392 mL	0.1961 mL	0.3922 mL
10 mM	0.0196 mL	0.098 mL	0.1961 mL
50 mM	0.0039 mL	0.0196 mL	0.0392 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

Fridlyand LE, et al. Growth Hormone-Releasing Hormone in Diabetes. Front Endocrinol (Lausanne). 2016 Oct 10;7:129. eCollection 2016.

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