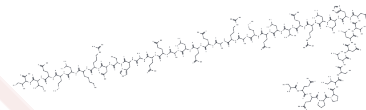


Corticotropin-releasing factor (human)

Chemical Properties

CAS No. :	86784-80-7
Formula:	C208H344N60O63S2
Molecular Weight:	4757.45
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Corticotropin-releasing factor human (Human CRF; Human corticotropin-releasing factor) is an immunomodulatory neuropeptide that releases ACTH from the anterior pituitary, stimulates the sympathetic nervous system and adrenal medulla, reduces hyperpolarizations, and acts as a functional antagonist of inflammatory mediators.
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Solubility Information

Solubility	H2O: 16.66 mg/mL (3.5 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2102 mL	1.051 mL	2.102 mL
5 mM	0.042 mL	0.2102 mL	0.4204 mL
10 mM	0.021 mL	0.1051 mL	0.2102 mL
50 mM	0.0042 mL	0.021 mL	0.042 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

Kaneko T et al. Activation of adenylate cyclase-cyclic AMP-protein kinase A signaling by corticotropin-releasing factor within the dorsolateral bed nucleus of the stria terminalis is involved in pain-induced aversion. *Eur J Neurosci.* 2016 Sep 30.

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