

β -CGRP, human TFA (101462-82-2 free base)

Chemical Properties

CAS No. :

Formula: C164H268F3N51O50S3

Molecular Weight: 3907.38

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	β -CGRP, human tissue is one of the calcitonin peptide, through complex behavior of calcitonin receptor like receptor (CRLR) - and receptor activity - modifying proteins (increased), and 1 and 300 - nM CRLR IC50s/RAMP1 and CRLR/RAMP2 cells.
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Solubility Information

Solubility	H2O: 50 mg/mL (12.8 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2559 mL	1.2796 mL	2.5593 mL
5 mM	0.0512 mL	0.2559 mL	0.5119 mL
10 mM	0.0256 mL	0.128 mL	0.2559 mL
50 mM	0.0051 mL	0.0256 mL	0.0512 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

McLatchie LM, et al. RAMPs regulate the transport and ligand specificity of the calcitonin-receptor-like receptor. Nature. 1998 May 28;393(6683):333-9.

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