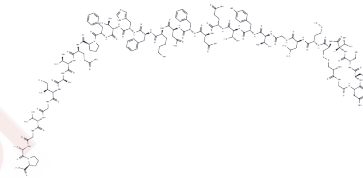


Calcitonin (human)

Chemical Properties

CAS No. :	21215-62-3
Formula:	C151H226N40O45S3
Molecular Weight:	3417.87
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	Endogenous calcitonin receptor agonist. Lowers systemic blood calcium levels and inhibits bone resorption.
Targets(IC50)	CGRP Receptor

Solubility Information

Solubility	H2O: 2 mg/mL (0.59 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	0.2926 mL	1.4629 mL	2.9258 mL
5 mM	0.0585 mL	0.2926 mL	0.5852 mL
10 mM	0.0293 mL	0.1463 mL	0.2926 mL
50 mM	0.0059 mL	0.0293 mL	0.0585 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

- Foster (1968) Calcitonin. A review of experimental and clinical investigations. Postgrad.Med.J. 44 411 PMID:
Bower and Hay (2016) Amylin structure-function relationships and receptor pharmacology: implications for amylin mimetic drug development. Br.J.Pharmacol. 173 1883 PMID:
Lee et al (2016) Calcitonin and amylin receptor peptide interaction mechanisms. J.Biol.Chem. 291 16416 PMID:

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