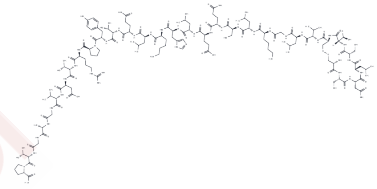


## Calcitonin, eel

## Chemical Properties

CAS No. :	57014-02-5
Formula:	C146H241N43O47S2
Molecular Weight:	3414.91
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	Calcitonin, eel is a peptide hormone that plays a crucial role in maintaining calcium balance within the body. It is extensively utilized in the scientific investigation of postmenopausal osteoporosis, a condition characterized by decreased bone density and an increased risk of fractures in women after menopause.
Targets(IC50)	Thyroid hormone receptor(THR)

## Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2928 mL	1.4642 mL	2.9283 mL
5 mM	0.0586 mL	0.2928 mL	0.5857 mL
10 mM	0.0293 mL	0.1464 mL	0.2928 mL
50 mM	0.0059 mL	0.0293 mL	0.0586 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

Sortino MA, et al. Comparative effects of eel calcitonin, salmon calcitonin and [Asu1,7]eel calcitonin on hypophyseal and osteoblastic function. Gynecol Endocrinol. 1993 Jun;7(2):89-96.

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