

Somatostatin 1-28

Chemical Properties

CAS No. :	74315-46-1
Formula:	C137H207N41O39S3
Molecular Weight:	3149
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	Somatostatin receptor agonist, derived from the post-translational cleavage of prosomatostatin.
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Solubility Information

Solubility	H2O: 0.5 mg/mL (0.16 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	0.3176 mL	1.5878 mL	3.1756 mL
5 mM	0.0635 mL	0.3176 mL	0.6351 mL
10 mM	0.0318 mL	0.1588 mL	0.3176 mL
50 mM	0.0064 mL	0.0318 mL	0.0635 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

Panetta et al (1994) Molecular cloning, functional characterization and chromosomal localization of a human somatostatin receptor (somatostatin receptor type 5) with preferential affinity for somatostatin-28. Mol. Pharmacol. 45 417 PMID:

Patel et al (1994) Expression of multiple somatostatin receptor genes in AtT-20 cells. Evidence for a novel somatostatin-28 selective receptor subtype. J.Biol.Chem. 269 1506 PMID:

Shimokawa et al (1997) Effect of somatostatin-28 on GH response to GH-releasing hormone-impact of aging and lifelong dietary restriction. Neuroendocrinol. 65 369 PMID:

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