

CH 275

## Chemical Properties

CAS No. : 174688-78-9

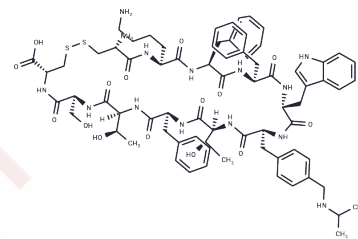
Formula: C74H96N14O15S2

Molecular Weight: 1485.8

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	Potent somatostatin receptor 1 (sst1) agonist; displays selectivity for sst1 (IC50 values are 30.9 nM, 345 nM, > 1 μM, > 10 μM and > 10 μM for human sst1, sst3, sst4, sst2 and sst5 respectively). Attenuates somatostatin release in the rat nucleus accumbens.
Targets(IC50)	Somatostatin

## Solubility Information

Solubility H2O: 0.3 mg/mL (0.2 mM), Sonication is recommended.  
(< 1 mg/ml refers to the product slightly soluble or insoluble)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.673 mL	3.3652 mL	6.7304 mL
5 mM	0.1346 mL	0.673 mL	1.3461 mL
10 mM	0.0673 mL	0.3365 mL	0.673 mL
50 mM	0.0135 mL	0.0673 mL	0.1346 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

Chen et al (1999) Structural basis for the binding specificity of a SSTR1-selective analog of somatostatin. *Biochem. Biophys. Res. Commun.* 258 689 PMID:

Rivier et al (2001) Potent somatostatin undecapeptide agonists selective for somatostatin receptor 1 (sst1). *J. Med. Chem.* 44 2238 PMID:

Vasilaki et al (2004) The somatostatin receptor (sst1) modulates the release of somatostatin in the nucleus accumbens of the rat. *Neuropharmacology* 47 612 PMID:

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