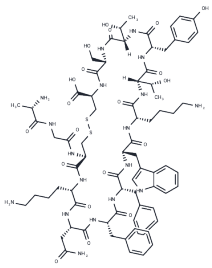
Data Sheet (Cat.No.T40680)

TargetMol

[Tyr11]-Somatostatin

Chemical Properties



CAS No. : 59481-27-5

Formula: C76H104N18O20S2

Molecular Weight: 1653.89

Storage: Keep away from moisture
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	[Tyr11]-Somatostatin is a neuroactive peptide utilized in proteomics research. It belongs to a class of neuroactive substances that play a role in modulating retinal physiology.
Targets(IC50)	Somatostatin
In vitro	Iodination of [Tyr11]-Somatostatin produces a ligand with significantly enhanced affinity for somatostatin receptors in GH4C1 pituitary cells[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6046 mL	3.0232 mL	6.0464 mL
5 mM	0.1209 mL	0.6046 mL	1.2093 mL
10 mM	0.0605 mL	0.3023 mL	0.6046 mL
50 mM	0.0121 mL	0.0605 mL	0.1209 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

Vasilaki A, et al. Somatostatin mediates nitric oxide production by activating sst(2) receptors in the rat retina. Neuropharmacology. 2002;43(5):899-909.

Presky DH, Schonbrunn A. Iodination of [Tyr11]somatostatin yields a super high affinity ligand for somatostatin receptors in GH4C1 pituitary cells. Mol Pharmacol. 1988;34(5):651-658.

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