

Cyclosomatostatin Acetate

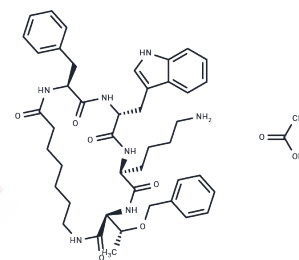
Chemical Properties

CAS No. :

Formula: C46H61N7O8

Molecular Weight: 840.02

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	Cyclosomatostatin Acetate is an effective antagonist of the somatostatin receptor. Cyclosomatostatin Acetate inhibits SSTR1 signaling and decreases cell proliferation, ALDH+ cell population size, and sphere-formation in colorectal cancer cells.
Targets(IC50)	Somatostatin

Solubility Information

Solubility	DMSO: 8.41 mg/mL (10.01 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	1.1904 mL	5.9522 mL	11.9045 mL
5 mM	0.2381 mL	1.1904 mL	2.3809 mL
10 mM	0.119 mL	0.5952 mL	1.1904 mL
50 mM	0.0238 mL	0.119 mL	0.2381 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

Shirin R Modarai, et al. Somatostatin signaling via SSTR1 contributes to the quiescence of colon cancer stem cells. BMC Cancer. 2016 Dec 7;16(1):941.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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