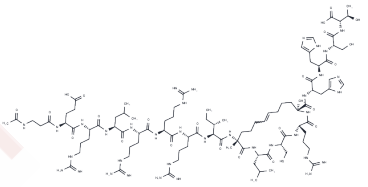
Data Sheet (Cat.No.TP2117)

SAHM1

Chemical Properties



CAS No. : 2050906-89-1

Formula: C94H162N36O23S

Molecular Weight: 2196.58

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	Notch pathway inhibitor - stabilized hydrocarbon-stapled alpha helical peptide. Targets the protein-protein interface and prevents Notch complex assembly.
Targets(IC50)	Gamma-secretase

Solubility Information

Solubility	H2O: 1 mg/mL (0.46 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4553 mL	2.2763 mL	4.5525 mL
5 mM	0.0911 mL	0.4553 mL	0.9105 mL
10 mM	0.0455 mL	0.2276 mL	0.4553 mL
50 mM	0.0091 mL	0.0455 mL	0.0911 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

Ashley et al (2015) Notch signaling promotes osteoclast maturation and resorptive activity. J Cell Biochem 116 2598 PMID:

Bagheri et al (2018) Notch pathway is active during osteogenic differentiation of human bone marrow mesenchymal stem cells induced by pulsed electromagnetic fields. J.Tissue Eng.Regen.Med. 12 304 PMID:

KleinJan et al (2018) The Notch pathway inhibitor stapled a-helical peptide derived from mastermind-like 1 (SAHM1) abrogates the hallmarks of allergic asthma. J.Allergy Clin.Immunol. 142 76 PMID: