

SAHM1

Chemical Properties

CAS No.:	2050906-89-1
Formula:	C94H162N36O23S
Molecular Weight:	2196.58
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Notch pathway inhibitor - stabilized hydrocarbon-stapled alpha helical peptide. Targets the protein-protein interface and prevents Notch complex assembly.
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Solubility Information

Solubility	water: 1 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.455 mL	2.276 mL	4.553 mL
5 mM	0.091 mL	0.455 mL	0.911 mL
10 mM	0.046 mL	0.228 mL	0.455 mL
50 mM	0.009 mL	0.046 mL	0.091 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

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:

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