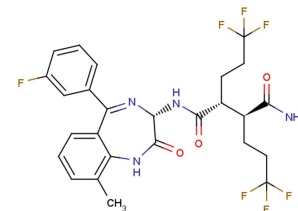


Data Sheet (Cat.No.T16341)

Notch inhibitor 1

Chemical Properties

CAS No.:	1584647-27-7
Formula:	C ₂₆ H ₂₅ F ₇ N ₄ O ₃
Molecular Weight:	574.49
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Notch inhibitor 1 is an effective Notch inhibitor (IC ₅₀ s: 7.8 and 8.5 nM for Notch 1 and Notch 3, respectively). Notch inhibitor 1 is also used in the research of cancer.
Targets(IC ₅₀)	Notch 1: 7.8 nM Notch 3: 8.5 nM
In vitro	Notch inhibitor 1 effectively suppresses the Notch signaling pathway.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.741 mL	8.703 mL	17.407 mL
5 mM	0.348 mL	1.741 mL	3.481 mL
10 mM	0.174 mL	0.87 mL	1.741 mL
50 mM	0.035 mL	0.174 mL	0.348 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

- Ashvinikumar V. Gavai, et al. Bis(fluoroalkyl)-1,4-benzodiazepinone compounds as notch inhibitors. WO2014047372A1.

Inhibitors · Natural Compounds · Compound Libraries

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