

γ -Secretase-IN-1

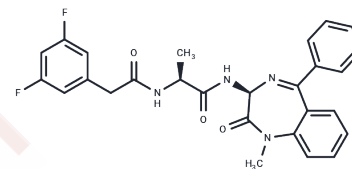
Chemical Properties

CAS No. : 209986-17-4

Formula: C₂₇H₂₄F₂N₄O₃

Molecular Weight: 490.5

Storage: Keep away from moisture, Keep away from direct sunlight
 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	γ -Secretase-IN-1 is a potent γ -secretase inhibitor that displays partial antiproliferative activity on T-47D cells and inhibits β -amyloid(40), β -amyloid(42), and Notch γ -secretase cleavage.
Targets(IC50)	Beta Amyloid, Gamma-secretase
In vitro	At a concentration of 50 μ M, compound E reduces the proliferation of T47D and MCF-7 cell lines by less than 50% [2].

Solubility Information

Solubility	DMSO: 165 mg/mL (336.39 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	2.0387 mL	10.1937 mL	20.3874 mL
5 mM	0.4077 mL	2.0387 mL	4.0775 mL
10 mM	0.2039 mL	1.0194 mL	2.0387 mL
50 mM	0.0408 mL	0.2039 mL	0.4077 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

Rasul S, et al. Inhibition of gamma-secretase induces G2/M arrest and triggers apoptosis in breast cancer cells. Br J Cancer. 2009 Jun 16;100(12):1879-88.

Behr D, et al. Pharmacological knock-down of the presenilin 1 heterodimer by a novel gamma -secretase inhibitor: implications for presenilin biology. J Biol Chem. 2001 Nov 30;276(48):45394-402.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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