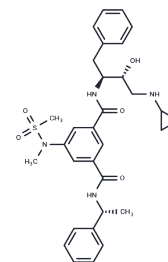


β -Secretase Inhibitor IV

Chemical Properties

CAS No. :	797035-11-1
Formula:	C ₃₁ H ₃₈ N ₄ O ₅ S
Molecular Weight:	578.72
Storage:	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	β -Secretase Inhibitor IV is a potent, cell-active inhibitor of BACE-1, with IC ₅₀ values of 15.6 nM and 16.3 nM at BACE-1 concentrations of 2 nM and 100 pM, respectively.
Targets(IC ₅₀)	Others, Beta-Secretase
In vitro	β -Secretase Inhibitor IV (Compound 2) inhibits the production of A β peptides with an EC ₅₀ of 43 nM in the cell culture assay. β -Secretase Inhibitor IV potently suppresses the secretion of sAPP _{NF} and EV40 from HEK293T cells(IC ₅₀ : 30 nM).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.728 mL	8.6398 mL	17.2795 mL
5 mM	0.3456 mL	1.728 mL	3.4559 mL
10 mM	0.1728 mL	0.864 mL	1.728 mL
50 mM	0.0346 mL	0.1728 mL	0.3456 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

Pietrak BL, et al. Biochemical and cell-based assays for characterization of BACE-1 inhibitors. Anal Biochem. 2005 Jul 1;342(1):144-51.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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