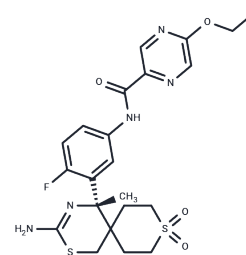


BACE1-IN-4

Chemical Properties

CAS No. :	2361157-92-6
Formula:	C ₂₁ H ₂₃ F ₂ N ₅ O ₄ S ₂
Molecular Weight:	511.57
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	BACE1-IN-4 is a potent and highly selective BACE1 inhibitor (IC ₅₀ : 3.8 nM; K _i : 1.9 nM), exhibiting greater selectivity for BACE1 over BACE2.
Targets(IC ₅₀)	Beta-Secretase, BACE
In vitro	BACE1-IN-4 (Compound 22) is a selective BACE1 inhibitor with an IC ₅₀ of 2090 nM and a K _i of 1740 nM, demonstrating greater selectivity for BACE1 over BACE2.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9548 mL	9.7738 mL	19.5477 mL
5 mM	0.391 mL	1.9548 mL	3.9095 mL
10 mM	0.1955 mL	0.9774 mL	1.9548 mL
50 mM	0.0391 mL	0.1955 mL	0.391 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

Fujimoto K, et al. Structure-Based Design of Selective β -Site Amyloid Precursor Protein Cleaving Enzyme 1 (BACE1) Inhibitors: Targeting the Flap to Gain Selectivity over BACE2. J Med Chem. 2019 May 23;62(10):5080-5095.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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