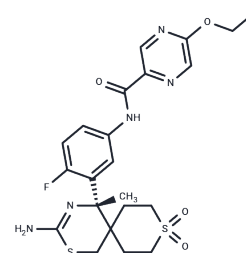


BACE1-IN-4

Chemical Properties

CAS No. : 2361157-92-6
Formula: C₂₁H₂₃F₂N₅O₄S₂
Molecular Weight: 511.57
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	BACE1-IN-4 is a potent and highly selective BACE1 inhibitor (IC ₅₀ : 3.8 nM; Ki: 1.9 nM), more selective at BACE1 over BACE2.
Targets(IC ₅₀)	BACE
In vitro	BACE1-IN-4 (Compound 22) is a BACE1 inhibitor, more selective at BACE1 over BACE2 (IC ₅₀ , 2090 nM; Ki, 1740 nM).

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.

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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481