

SNJ-1945

Chemical Properties

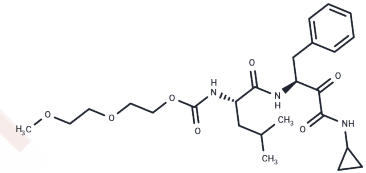
CAS No. : 854402-59-8

Formula: C₂₅H₃₇N₃O₇

Molecular Weight: 491.58

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	SNJ-1945 is a calpain inhibitor with more favorable retinal penetration, high oral bioavailability, and long half-life. SNJ1945 rescued defective function in lissencephaly. SNJ-1945 protects SH-SY5Y cells against MPP(+) and rotenone. SNJ-1945 reduces murine retinal cell death in vitro and in vivo. SNJ-1945 has good aqueous solubility, can prevent the heart from KCl arrest-reperfusion injury associated with the impairment of total Ca(2+) handling by inhibiting the proteolysis of alpha-fodrin as a cardioplegia.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0343 mL	10.1713 mL	20.3426 mL
5 mM	0.4069 mL	2.0343 mL	4.0685 mL
10 mM	0.2034 mL	1.0171 mL	2.0343 mL
50 mM	0.0407 mL	0.2034 mL	0.4069 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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