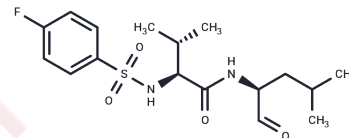


SJA6017

Chemical Properties

CAS No. : 190274-53-4
 Formula: C₁₇H₂₅FN₂O₄S
 Molecular Weight: 372.45
 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	SJA6017 is a inhibitor of calpain-1 (IC ₅₀ = 7.5 nM) and calpain-2 (IC ₅₀ = 78 nM). SJA6017 also inhibits cathepsins B (IC ₅₀ s = 15 nM) and cathepsins L (IC ₅₀ s = 1.6 nM). SJA6017 reduces apoptotic cell death, preserves spinal cord tissue and improves functional outcome.
Targets(IC ₅₀)	Others,Proteasome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6849 mL	13.4246 mL	26.8492 mL
5 mM	0.537 mL	2.6849 mL	5.3698 mL
10 mM	0.2685 mL	1.3425 mL	2.6849 mL
50 mM	0.0537 mL	0.2685 mL	0.537 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

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- Biswas S, Harris F, Singh J, Phoenix DA. The in vitro retardation of porcine cataractogenesis by the calpain inhibitor, SJA6017. *Mol Cell Biochem*. 2004 Jun;261(1-2):169-73. PubMed PMID: 15362500.
- Inoue J, Nakamura M, Cui YS, Sakai Y, Sakai O, Hill JR, Wang KK, Yuen PW. Structure-activity relationship study and drug profile of N-(4-fluorophenylsulfonyl)-L-valyl-L-leucinal (SJA6017) as a potent calpain inhibitor. *J Med Chem*. 2003 Feb 27;46(5):868-71. PubMed PMID: 12593666.
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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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