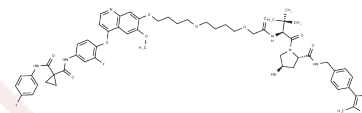


SJF α

Chemical Properties

CAS No. :	2254609-27-1
Formula:	C59H67F2N7O11S
Molecular Weight:	1120.27
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	SJF α (SJF alpha) is a PROTAC formed by an E3 ubiquitin ligase-conjugated protein hydrolysis regulator that degrades p38 α and p38 δ and can be used in cancer research.
Targets(IC50)	Autophagy,p38 MAPK,PROTACs
In vitro	SJF α PROTAC (13-atom linker, amide attachment) selectively degrades p38 α in MDA-MB-231 cells. SJF α degrades p38 α with a DC50 = 7.16 nM and Dmax = 97.4%, but is far less effective at degrading p38 δ (DC50=299nM, Dmax=18%) and does not degrade the other p38 isoforms (β and γ). [1]

Solubility Information

Solubility	DMSO: 80 mg/mL(71.41 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8926 mL	4.4632 mL	8.9264 mL
5 mM	0.1785 mL	0.8926 mL	1.7853 mL
10 mM	0.0893 mL	0.4463 mL	0.8926 mL
50 mM	0.0179 mL	0.0893 mL	0.1785 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

Smith BE, et al. Differential PROTAC substrate specificity dictated by orientation of recruited E3 ligase. Nat Commun. 2019 Jan 10;10(1):131.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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