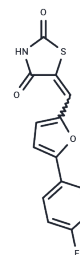


POSH-IN-1

Chemical Properties

CAS No. :	328960-84-5
Formula:	C ₁₄ H ₈ FNO ₃ S
Molecular Weight:	289.28
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	POSH-IN-1 (Compound 108) is an inhibitor of the POSH polypeptide (a ubiquitin ligase/E3 enzyme) with an IC ₅₀ = 900 nM and has antiviral, anticancer, and neurodegenerative disease potential.
Targets(IC ₅₀)	HIV Protease,DUB
In vitro	POSH-IN-1(compound 108) inhibited the ubiquitin ligase activity of POSH with an IC ₅₀ of 900 nM[1].

Solubility Information

Solubility	DMSO: 40 mg/mL (138.27 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4569 mL	17.2843 mL	34.5686 mL
5 mM	0.6914 mL	3.4569 mL	6.9137 mL
10 mM	0.3457 mL	1.7284 mL	3.4569 mL
50 mM	0.0691 mL	0.3457 mL	0.6914 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

Alroy I, et al., Ubiquitin ligase inhibitors and methods related thereto. WO2005007141.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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