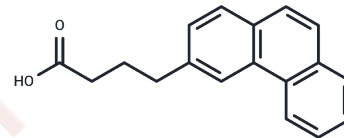


HIV-1 Nef-IN-1

Chemical Properties

CAS No. :	13728-56-8
Formula:	C ₁₈ H ₁₆ O ₂
Molecular Weight:	264.32
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	HIV-1 Nef-IN-1 is an inhibitor of the HIV-1 Nef protein, effectively competing for Nef-SH3Hck interactions (Kd: 6.7 μM).
Targets(IC50)	HIV Protease
In vitro	HIV-1 Nef-IN-1 inhibits cell viability of COS7 cells, and the cell inhibition rate is 63.2%

Solubility Information

Solubility	DMSO: 50 mg/mL (189.16 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	3.7833 mL	18.9165 mL	37.8329 mL
5 mM	0.7567 mL	3.7833 mL	7.5666 mL
10 mM	0.3783 mL	1.8916 mL	3.7833 mL
50 mM	0.0757 mL	0.3783 mL	0.7567 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

Stéphane Betzi, et al. Protein protein interaction inhibition (2P2I) combining high throughput and virtual screening: Application to the HIV-1 Nef protein. Proc Natl Acad Sci U S A. 2007 Dec 4;104(49):19256-61.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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