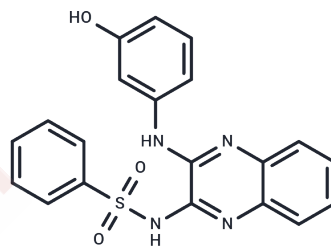


HIV-IN-6

Chemical Properties

CAS No. : 301357-74-4
 Formula: C₂₀H₁₆N₄O₃S
 Molecular Weight: 392.43
 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-IN-6 is an HIV viral inhibitor that inhibits the replication of the HIV virus. HIV-IN-6 has anti-HIV viral activity and works by targeting Src family kinases (SFK) (e.g., Hck) that interact with the viral Nef protein.
Targets(IC50)	HIV Protease,Src

Solubility Information

Solubility	DMSO: 90 mg/mL (229.34 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.1 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5482 mL	12.7411 mL	25.4823 mL
5 mM	0.5096 mL	2.5482 mL	5.0965 mL
10 mM	0.2548 mL	1.2741 mL	2.5482 mL
50 mM	0.051 mL	0.2548 mL	0.5096 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

Lori ES, et al. Targeting an HIV-1 nef-host cell kinase complex. US8541415 B2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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