

NS1-IN-1

Chemical Properties

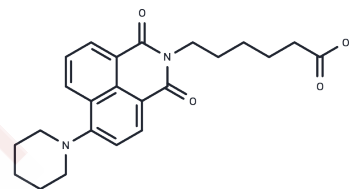
CAS No. : 181373-35-3

Formula: C₂₃H₂₆N₂O₄

Molecular Weight: 394.46

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	NS1-IN-1 is a potent NS1 inhibitor. NS1-IN-1 displays antiviral activity by inhibiting mTORC1 activity in a TSC1-TSC2-dependent manner. NS1-IN-1 reduces the level of viral proteins and contributes to the reduction of viral replication.
Targets(IC50)	Influenza Virus

Solubility Information

Solubility	DMSO: 60 mg/mL (152.11 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	2.5351 mL	12.6756 mL	25.3511 mL
5 mM	0.507 mL	2.5351 mL	5.0702 mL
10 mM	0.2535 mL	1.2676 mL	2.5351 mL
50 mM	0.0507 mL	0.2535 mL	0.507 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

Mata MA, et al. Chemical inhibition of RNA viruses reveals REDD1 as a host defense factor. Nat Chem Biol. 2011;7(10):712-719.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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