

HCV-IN-30

Chemical Properties

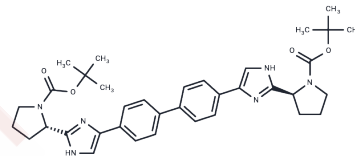
CAS No. : 1007882-23-6

Formula: C₃₆H₄₄N₆O₄

Molecular Weight: 624.77

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	HCV-IN-30 is an HCV NS5A replication complex inhibitor (IC ₅₀ s: 901 and 102 nM for genotypes 1a and 1b replicons).
Targets(IC ₅₀)	HCV Protease

Solubility Information

Solubility	DMSO: 22.5 mg/mL (36.01 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 (3.2 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	1.6006 mL	8.0029 mL	16.0059 mL
5 mM	0.3201 mL	1.6006 mL	3.2012 mL
10 mM	0.1601 mL	0.8003 mL	1.6006 mL
50 mM	0.032 mL	0.1601 mL	0.3201 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

Belema M, et al. Hepatitis C virus NS5A replication complex inhibitors. Part 6: Discovery of a novel and highly potent biarylimidazole chemotype with inhibitory activity toward genotypes 1a and 1b replicons. J Med Chem. 2014 Mar 13;57(5):1995-2012.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481