

MK-8325

## Chemical Properties

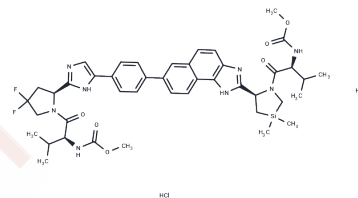
CAS No. : 1334314-19-0

Formula: C43H54Cl2F2N8O6Si

Molecular Weight: 915.93

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	MK-8325 is a potent and orally available HCV NS5A inhibitor with replicative activity against a wide range of genotypes. MK-8325 has demonstrated bioavailability in in vitro and in vivo assays and has a favorable overall ADME profile.
Targets(IC50)	HCV Protease
In vitro	MK-8325 (7 µM) demonstrates no cell toxicity with a CC50 > 25 mM against Huh-7 replicon cells in a standard MTS assay.[1]
In vivo	In vivo assays showed MK-8325 to be orally bioavailable with pharmacokinetics suitable for once-daily dosing in patients and good overall ADME profiles.[1]

## Solubility Information

Solubility	DMSO: 9.16 mg/mL (10 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	1.0918 mL	5.4589 mL	10.9179 mL
5 mM	0.2184 mL	1.0918 mL	2.1836 mL
10 mM	0.1092 mL	0.5459 mL	1.0918 mL
50 mM	0.0218 mL	0.1092 mL	0.2184 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

Nair AG, et al. MK-8325: A silyl proline-containing NS5A inhibitor with pan-genotype activity for treatment of HCV. *Bioorg Med Chem Lett.* 2018;28(10):1954-1957.

Yu W, et al. Discovery of potent macrocyclic HCV NS5A inhibitors. *Bioorg Med Chem Lett.* 2016;26(15):3793-3799.

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