

MK-4882

Chemical Properties

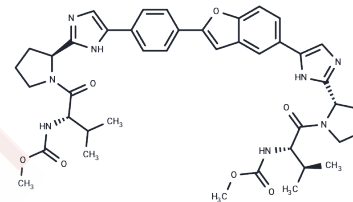
CAS No. : 1246470-32-5

Formula: C₄₂H₅₀N₈O₇

Molecular Weight: 778.9

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-4882 is an effective inhibitor of HCV NS5A.
Targets(IC50)	Others,HCV Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2839 mL	6.4193 mL	12.8386 mL
5 mM	0.2568 mL	1.2839 mL	2.5677 mL
10 mM	0.1284 mL	0.6419 mL	1.2839 mL
50 mM	0.0257 mL	0.1284 mL	0.2568 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

Yu W, Vibulbhan B, Rosenblum SB, Martin GS, Vellekoop AS, Holst CL, Coburn CA, Wong M, Selyutin O, Ji T, Zhong B, Hu B, Chen L, Dwyer MP, Jiang Y, Nair AG, Tong L, Zeng Q, Agrawal S, Carr D, Rokosz L, Liu R, Curry S, McMonagle P, Ingravallo P, Lahser F, Asante-Appiah E, Fells J, Kozlowski JA. Discovery of potent macrocyclic HCV NS5A inhibitors. *Bioorg Med Chem Lett*. 2016 Aug 1;26(15):3793-9. doi: 10.1016/j.bmcl.2016.05.042. Epub 2016 May 17. PubMed PMID: 27282743.

Coburn CA, Meinke PT, Chang W, Fandozzi CM, Graham DJ, Hu B, Huang Q, Kargman S, Kozlowski J, Liu R, McCauley JA, Nomeir AA, Soll RM, Vacca JP, Wang D, Wu H, Zhong B, Olsen DB, Ludmerer SW. Discovery of MK-8742: an HCV NS5A inhibitor with broad genotype activity. *ChemMedChem*. 2013 Dec;8(12):1930-40. doi: 10.1002/cmdc.201300343. Epub 2013 Oct 14. PubMed PMID: 24127258.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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