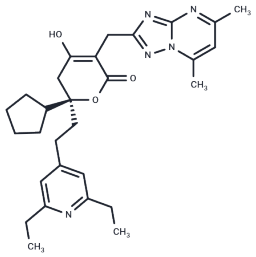
Data Sheet (Cat.No.T15282)

TargetMol

Filibuvir

Chemical Properties



CAS No. : 877130-28-4

Formula: C29H37N5O3

Molecular Weight: 503.64

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	Filibuvir (PF-00868554) is a selective and noncovalent inhibitor of HCV NS5B RNA-dependent RNA polymerase. Filibuvir inhibits genotype 1a and 1b replicons with EC50s of 59 nM.
Targets(IC50)	HCV Protease,DNA/RNA Synthesis
In vitro	In Huh7.5 cells, Filibuvir (0.01-10000 nM; 48 h) dose-dependently inhibits the WT 1b replicon with EC50s of 70 nM. Filibuvir decreases primer extension from PE46 with an IC50 of 73 nM, but has no obvious effect on de novo-initiated RNA synthesis with IC50 of 5 μM[2].

Solubility Information

Solubility	DMSO: 40 mg/mL (79.42 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9855 mL	9.9277 mL	19.8555 mL
5 mM	0.3971 mL	1.9855 mL	3.9711 mL
10 mM	0.1986 mL	0.9928 mL	1.9855 mL
50 mM	0.0397 mL	0.1986 mL	0.3971 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

Wagner F, et al. Antiviral activity of the hepatitis C virus polymerase inhibitor filibuvir in genotype 1-infected patients. Hepatology. 2011 Jul;54(1):50-9.

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