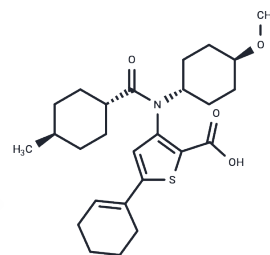


VCH-916 free acid(1200133-34-1 free base)

Chemical Properties

CAS No. : 914778-92-0
 Formula: C₂₆H₃₇N₂O₄S
 Molecular Weight: 459.64
 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	VCH-916 is a novel nonnucleoside HCV NS5B polymerase inhibitor.
Targets(IC50)	HCV Protease

Solubility Information

Solubility	DMSO: 39 mg/mL (84.85 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	2.1756 mL	10.8781 mL	21.7562 mL
5 mM	0.4351 mL	2.1756 mL	4.3512 mL
10 mM	0.2176 mL	1.0878 mL	2.1756 mL
50 mM	0.0435 mL	0.2176 mL	0.4351 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

Ludmila Gerber, Tania M. Welzel, Stefan Zeuzem. New therapeutic strategies in HCV: polymerase inhibitors. *Liver International*. 2013,33(s1): 85-92

Abdelrahman S. Mayhoub. Hepatitis C RNA-dependent RNA polymerase inhibitors: A review of structure-activity and resistance relationships; different scaffolds and mutations. *Bioorganic & Medicinal Chemistry*. 2012, 20 (10): 3150-3161.

Debasis Dasa, Jian Honga, Shu-Hui Chena, et al. Recent advances in drug discovery of benzothiadiazine and related analogs as HCV NS5B polymerase inhibitors. *Bioorganic & Medicinal Chemistry*. 2011, 19(16): 4690-4703

Pierre L Beaulieu. Recent advances in the development of NS5B polymerase inhibitors for the treatment of hepatitis C virus infection. *Informahealthcare*. 2009, 19(2): 145-164

Safety, Tolerability and Pharmacokinetics of Multiple Ascending Doses of VCH 916 in Subjects With Chronic Hep C Infection

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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