

C-82

Chemical Properties

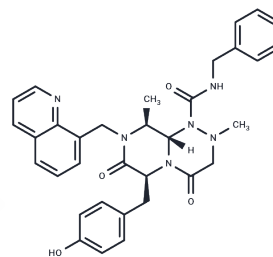
CAS No. : 1422253-37-9

Formula: C33H34N6O4

Molecular Weight: 578.66

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	C-82 is a specific CBP/ β -catenin antagonist. It inhibits the binding between β -catenin and CBP and increases the binding between β -catenin and p300.
Targets(IC50)	Epigenetic Reader Domain,Wnt/beta-catenin
In vitro	C-82 inhibits the activation of isolated primary mouse quiescent hepatic stellate cells (HSCs) and promotes cell death in culture-activated HSCs.
In vivo	PRI-724 is phosphorylated-C-82 and is rapidly hydrolyzed to its active form C-82 in vivo, and pre-clinical studies have shown a very acceptable toxicity profile.

Solubility Information

Solubility	DMSO: 55 mg/mL (95.05 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	1.7281 mL	8.6407 mL	17.2813 mL
5 mM	0.3456 mL	1.7281 mL	3.4563 mL
10 mM	0.1728 mL	0.8641 mL	1.7281 mL
50 mM	0.0346 mL	0.1728 mL	0.3456 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

Osawa Y, et al. Inhibition of Cyclic Adenosine Monophosphate (cAMP)-response Element-binding Protein (CREB)-binding Protein (CBP)/ β -Catenin Reduces Liver Fibrosis in Mice. EBioMedicine. 2015 Oct 8;2(11):1751-8.

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