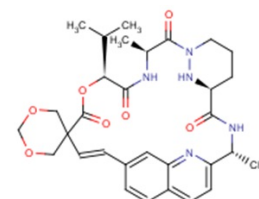


Cyclophilin inhibitor 1

Chemical Properties

CAS No.:	1509904-96-4
Formula:	C31H39N5O7
Molecular Weight:	593.67
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Cyclophilin inhibitor 1 is an effective and orally bioavailable cyclophilin A inhibitor with a Kd of 5 nM, showing potent anti-HCV activity, and an EC50 for HCV 2a of 98 nM.
Targets(IC50)	Others: None
In vitro	Cyclophilin inhibitor 1 inhibits HCV 2a activity with an EC50 of 98 nM.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.684 mL	8.422 mL	16.844 mL
5 mM	0.337 mL	1.684 mL	3.369 mL
10 mM	0.168 mL	0.842 mL	1.684 mL
50 mM	0.034 mL	0.168 mL	0.337 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Mackman RL, et al. Discovery of a Potent and Orally Bioavailable Cyclophilin Inhibitor Derived from the Sanglifehrin Macrocyclic. J Med Chem. 2018 Nov 8;61(21):9473-9499.

Inhibitors · Natural Compounds · Compound Libraries

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