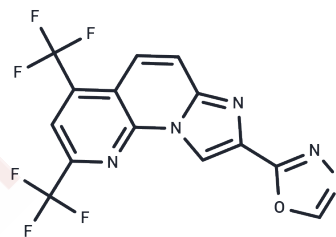


RO8191

Chemical Properties

CAS No. : 691868-88-9
 Formula: C₁₄H₅F₆N₅O
 Molecular Weight: 373.21
 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	RO8191 (CDM-3008) (CDM-3008) is an agonist of interferon (IFN) receptor.
Targets(IC50)	HCV Protease,STAT,HBV,IFNAR,JAK
In vitro	RO8191 strongly suppresses HCV replicon activity at 72 h in a dose-dependent manner. RO8191 reduces levels of the proteins HCV NS3 and NS4A, which are localized mainly in the perinuclear region of the replicon cells[1].
In vivo	RO8191 significantly induces antiviral genes Oas1b, Mx1, and Pkr in the livers of six-week-old C57BL/6J mice[1].

Solubility Information

Solubility	DMSO: 3 mg/mL (8.04 mM),Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6795 mL	13.3973 mL	26.7946 mL
5 mM	0.5359 mL	2.6795 mL	5.3589 mL
10 mM	0.2679 mL	1.3397 mL	2.6795 mL
50 mM	0.0536 mL	0.2679 mL	0.5359 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

Hideyuki Konishi, et al. An Orally Available, Small-Molecule Interferon Inhibits Viral Replication. Sci Rep. 2012;2: 259.

Tan J, Zhong M, Hu Y, et al. Ritanserin suppresses acute myeloid leukemia by inhibiting DGK α to downregulate phospholipase D and the Jak-Stat/MAPK pathway. Discover Oncology. 2023, 14(1): 118.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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