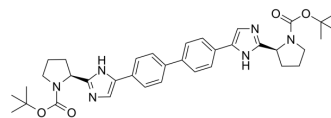


HCV-IN-30

Cat. No.:	HY-136267
CAS No.:	1007882-23-6
Molecular Formula:	C ₃₆ H ₄₄ N ₆ O ₄
Molecular Weight:	624.77
Target:	HCV
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 20 mg/mL (32.01 mM; ultrasonic and adjust pH to 4 with HCl)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.6006 mL	8.0029 mL	16.0059 mL
				5 mM	0.3201 mL	1.6006 mL	3.2012 mL
				10 mM	0.1601 mL	0.8003 mL	1.6006 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2 mg/mL (3.20 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2 mg/mL (3.20 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2 mg/mL (3.20 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	HCV-IN-30 (compound 48) is a HCV NS5A replication complex inhibitor, with IC ₅₀ s of 901 and 102 nM for genotypes 1a and 1b replicons, respectively ^[1] .
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REFERENCES

[1]. Belema M, et al. Hepatitis C virus NS5A replication complex inhibitors. Part 6: Discovery of a novel and highly potent biarylimidazole chemotype with inhibitory activity toward genotypes 1a and 1b replicons. J Med Chem. 2014 Mar 13;57(5):1995-2012.

Caution: Product has not been fully validated for medical applications. For research use only.

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