

TMC647055 Choline Hydroxide Salt

Chemical Properties

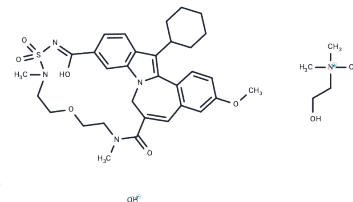
CAS No. :

Formula: C37H53N5O8S

Molecular Weight: 727.91

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	TMC647055 Choline Hydroxide Salt is a novel and potent non-nucleoside inhibitor of the HCV NS5B polymerase which potentially for the treatment of HCV infection. It has nanomolar cellular potency (EC(50) of 82 nM) with minimal associated cell toxicity (CC(50)>20 μM) and promising pharmacokinetic profiles in rats and dogs. TMC647055 showed promising in vitro biochemical, kinetic, and virological profile that is currently undergoing clinical evaluation.
Targets(IC50)	HCV Protease

Solubility Information

Solubility	DMSO: 60 mg/ml (82.43 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3738 mL	6.869 mL	13.738 mL
5 mM	0.2748 mL	1.3738 mL	2.7476 mL
10 mM	0.1374 mL	0.6869 mL	1.3738 mL
50 mM	0.0275 mL	0.1374 mL	0.2748 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.

Reference

Wang H, et al. Molecular modeling study on the drug resistance mechanism of NS5B polymerase to TMC64705. *Biochem Cell Biol.* 2016 Apr;94(2):147-58.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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