

## TMC647055 Choline Hydroxide Salt

### Chemical Properties

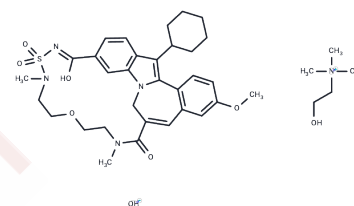
CAS No. :

Formula: C37H53N5O8S

Molecular Weight: 727.91

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   | 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), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

### 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.

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

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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