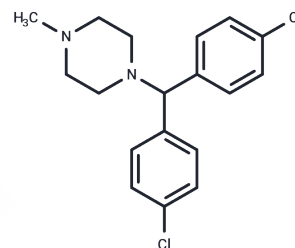


CAY10704

Chemical Properties

CAS No. : 101784-44-5
 Formula: C₁₈H₂₀Cl₂N₂
 Molecular Weight: 335.27
 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	CAY10704 is a potent inhibitor of hepatitis C virus (HCV) infection (EC ₅₀ = 17 nM) that displays low cytotoxicity of virally-infected human hepatoma Huh7.5.1 cells (CC ₅₀ = 21.3 μM). It displays good pharmacokinetics in mice when delivered intraperitoneally, with preferential liver distribution without significant hepatotoxicity. CAY10704 is selective for HCV over dengue virus (EC ₅₀ = 4.62 μM).
Targets(IC ₅₀)	Others,HCV Protease

Solubility Information

Solubility	DMSO: 20 mg/mL (59.65 mM),Sonication is recommended. DMF: 20 mg/mL (59.65 mM),Sonication is recommended. Ethanol: 16 mg/mL (47.72 mM),Sonication is recommended. DMF:PBS(pH7.2) (1:2): 0.3 mg/mL (0.89 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9827 mL	14.9134 mL	29.8267 mL
5 mM	0.5965 mL	2.9827 mL	5.9653 mL
10 mM	0.2983 mL	1.4913 mL	2.9827 mL
50 mM	0.0597 mL	0.2983 mL	0.5965 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481