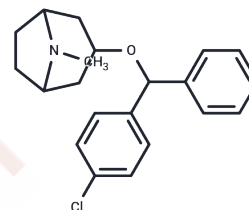


## 3-CPMT

## Chemical Properties

CAS No. :	14008-79-8
Formula:	C <sub>21</sub> H <sub>25</sub> Cl <sub>2</sub> NO
Molecular Weight:	378.33
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



HCl

## Biological Description

Description	3-CPMT (FC-1) is a dopamine uptake inhibitor and a potent long-acting antihistaminic agent.
Targets(IC50)	Dopamine Receptor

## Solubility Information

Solubility	DMSO: 10 mg/mL (26.43 mM),Sonication is recommended. Ethanol: 2 mg/mL (5.29 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.64 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6432 mL	13.216 mL	26.432 mL
5 mM	0.5286 mL	2.6432 mL	5.2864 mL
10 mM	0.2643 mL	1.3216 mL	2.6432 mL
50 mM	0.0529 mL	0.2643 mL	0.5286 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

CHEN JY. Pharmacologic properties of tropine 4-chlorobenzhydryl ether hydrochloride (SL-6057), a potent long-acting antihistaminic agent. J Pharmacol Exp Ther. 1955 Jun;114(2):192-202.

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