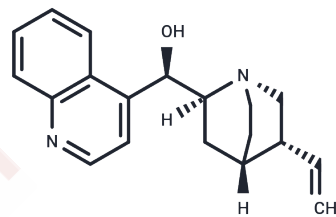


## Cinchonidine

## Chemical Properties

CAS No. :	485-71-2
Formula:	C <sub>19</sub> H <sub>22</sub> N <sub>2</sub> O
Molecular Weight:	294.39
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Cinchonidine (L-Cinchonidine) is an alkaloid extracted from <i>Cinchona officinalis</i> . It is a pseudo-enantiomer and stereoisomer of cinchonine.
Targets(IC50)	5-HT Receptor,Parasite,Serotonin Transporter

## Solubility Information

Solubility	DMSO: 8.57 mg/mL (29.12 mM),Sonication is recommended. H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: 55 mg/mL (186.83 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3969 mL	16.9843 mL	33.9685 mL
5 mM	0.6794 mL	3.3969 mL	6.7937 mL
10 mM	0.3397 mL	1.6984 mL	3.3969 mL
50 mM	0.0679 mL	0.3397 mL	0.6794 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

Fukiya K, et al. Drug Metab Dispos. 2010 Feb; 38(2):302-7.

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