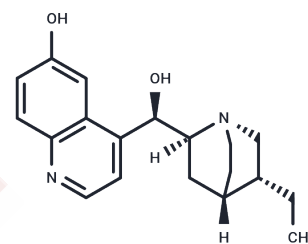


## 6'-hydroxydihydrocinchonidine

## Chemical Properties

CAS No. :	5962-19-6
Formula:	C <sub>19</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	312.41
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	6'-hydroxydihydrocinchonidine is a metabolite of quinine, with antimicrobial and antitumor activity, and inhibitory effect on Trypanosoma brucei and Streptococcus pneumoniae.
Targets(IC50)	Antibiotic, Drug Metabolite

## Solubility Information

Solubility	DMSO: 50 mg/mL (160.05 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	3.2009 mL	16.0046 mL	32.0092 mL
5 mM	0.6402 mL	3.2009 mL	6.4018 mL
10 mM	0.3201 mL	1.6005 mL	3.2009 mL
50 mM	0.064 mL	0.3201 mL	0.6402 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

Liddle C, et al. Identification of new urinary metabolites in man of quinine using methane chemical ionization gas chromatography-mass spectrometry. Xenobiotica. 1981;11(2):81-87.

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