

## Isochondrodendrine

## Chemical Properties

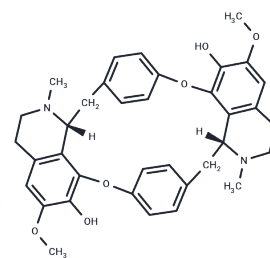
CAS No. : 477-62-3

Formula: C<sub>36</sub>H<sub>38</sub>N<sub>2</sub>O<sub>6</sub>

Molecular Weight: 594.7

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	Isochondrodendrine has strong antiplasmodial activity against Plasmodium falciparum. Isochondrodendrine is a class of bisbenzylisoquinoline alkaloid isolated from Isolona ghesquiereina.
Targets(IC50)	Others,Parasite
In vivo	Isochondrodendrine exhibits potent in vitro antiplasmodial activity against the chloroquine-resistant Plasmodium falciparum strain (FMC29).

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6815 mL	8.4076 mL	16.8152 mL
5 mM	0.3363 mL	1.6815 mL	3.363 mL
10 mM	0.1682 mL	0.8408 mL	1.6815 mL
50 mM	0.0336 mL	0.1682 mL	0.3363 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

Mambu L, et al. Spectral characterisation and antiplasmodial activity of bisbenzylisoquinolines from Isolona ghesquiereina. Planta Med. 2000 Aug;66(6):537-40.

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