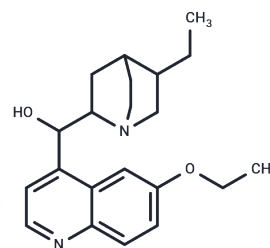


## Ethylhydrocupreine

## Chemical Properties

CAS No. :	522-60-1
Formula:	C <sub>21</sub> H <sub>28</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	340.46
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	Ethylhydrocupreine (Optochin), a quinine derivative, exhibits antimicrobial properties against <i>S. pneumoniae</i> and antimalarial capabilities targeting <i>Plasmodium falciparum</i> with an IC <sub>50</sub> of 25.75 nM. Additionally, it acts as an agonist for <i>Gallus gallus</i> taste 2 receptors (ggTas2r1, ggTas2r2, and ggTas2r7).
Targets(IC50)	Others, Antibacterial, Parasite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9372 mL	14.686 mL	29.372 mL
5 mM	0.5874 mL	2.9372 mL	5.8744 mL
10 mM	0.2937 mL	1.4686 mL	2.9372 mL
50 mM	0.0587 mL	0.2937 mL	0.5874 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

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