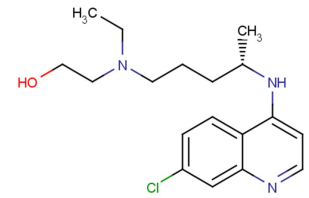


## Data Sheet (Cat.No.T12799)

### (S)-Hydroxychloroquine

#### Chemical Properties

CAS No.:	137433-24-0
Formula:	C <sub>18</sub> H <sub>26</sub> ClN <sub>3</sub> O
Molecular Weight:	335.87
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



#### Biological Description

Description	(S)-Hydroxychloroquine is the enantiomer of Hydroxychloroquine. Hydroxychloroquine shows efficiently inhibits SARS-CoV-2 infection in vitro.
Targets(IC <sub>50</sub> )	Others: None

#### Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.977 mL	14.887 mL	29.773 mL
5 mM	0.595 mL	2.977 mL	5.955 mL
10 mM	0.298 mL	1.489 mL	2.977 mL
50 mM	0.06 mL	0.298 mL	0.595 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

- Cardoso CD, et al. Enantioselective analysis of the metabolites of hydroxychloroquine and application to an in vitro metabolic study. *J Pharm Biomed Anal.* 2005 Apr 1;37(4):703-8.
- Manzo C, et al. Psychomotor Agitation Following Treatment with Hydroxychloroquine. *Drug Saf Case Rep.* 2017 Dec;4(1):6.
- Lamphier M, et al. Novel small molecule inhibitors of TLR7 and TLR9: mechanism of action and efficacy in vivo. *Mol Pharmacol.* 2014 Mar;85(3):429-40.
- Yao X, et al. In Vitro Antiviral Activity and Projection of Optimized Dosing Design of Hydroxychloroquine for the Treatment of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2). *Clin Infect Dis.* 2020 Mar 9. pii: ciaa237.

Inhibitors · Natural Compounds · Compound Libraries

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