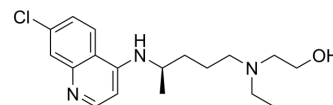


(R)-Hydroxychloroquine

Cat. No.:	HY-B1370B
CAS No.:	137433-23-9
Molecular Formula:	C ₁₈ H ₂₆ ClN ₃ O
Molecular Weight:	335.87
Target:	Parasite; Toll-like Receptor (TLR); SARS-CoV; Autophagy
Pathway:	Anti-infection; Immunology/Inflammation; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(R)-Hydroxychloroquine is the enantiomer of Hydroxychloroquine ^[1] . Hydroxychloroquine is a synthetic antimalarial agent which can also inhibit Toll-like receptor 7/9 (TLR7/9) signaling. Hydroxychloroquine efficiently inhibits SARS-CoV-2 infection in vitro ^{[2][3][4]} .		
IC₅₀ & Target	Plasmodium	TLR7	TLR9

REFERENCES

- [1]. 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.
- [2]. Manzo C, et al. Psychomotor Agitation Following Treatment with Hydroxychloroquine. *Drug Saf Case Rep.* 2017 Dec;4(1):6.
- [3]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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