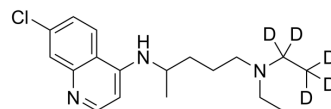


Chloroquine-d₅

Cat. No.:	HY-17589AS		
CAS No.:	1854126-41-2		
Molecular Formula:	C ₁₈ H ₂₁ D ₅ ClN ₃		
Molecular Weight:	324.9		
Target:	Parasite; SARS-CoV; Toll-like Receptor (TLR); HIV; Autophagy		
Pathway:	Anti-infection; Immunology/Inflammation; Autophagy		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Chloroquine-d ₅ is deuterium labeled Chloroquine. Chloroquine is an antimalarial and anti-inflammatory agent widely used to treat malaria and rheumatoid arthritis. Chloroquine is an autophagy and toll-like receptors (TLRs) inhibitor. Chloroquine is highly effective in the control of SARS-CoV-2 (COVID-19) infection in vitro (EC ₅₀ =1.13 μM)[1][2][3][4].			
IC₅₀ & Target	Plasmodium	Malaria	TLRs	SARS-COV-2
	HIV-1			

CUSTOMER VALIDATION

- Nucleic Acids Res. 2021 Jan 8;49(D1):D1113-D1121.

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REFERENCES

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- [3]. Mohamed FE, et al. Effect of toll-like receptor 7 and 9 targeted therapy to prevent the development of hepatocellular carcinoma. Liver Int. 2014 Jul 2. doi: 10.1111/liv.12626.
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- [5]. Savarino A, et al. The anti-HIV-1 activity of chloroquine. J Clin Virol. 2001;20(3):131-135.

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

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