



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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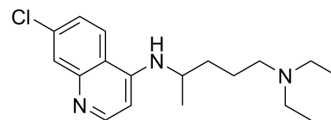
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## Chloroquine (Standard)

<b>Cat. No.:</b>	HY-17589AR
<b>CAS No.:</b>	54-05-7
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>26</sub> ClN <sub>3</sub>
<b>Molecular Weight:</b>	319.87
<b>Target:</b>	Antibiotic; SARS-CoV; HIV; Toll-like Receptor (TLR); Autophagy; Parasite
<b>Pathway:</b>	Anti-infection; Immunology/Inflammation; Autophagy
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Chloroquine (Standard) is the analytical standard of Chloroquine. This product is intended for research and analytical applications. 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 <sub>50</sub> =1.13 μM) <sup>[1][2][3][4]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Parasite, Autophagy, SARS-COV-2, TLRs, HIV <sup>[1][2][3][4]</sup>

### REFERENCES

- [1]. Said A, et al. Chloroquine promotes IL-17 production by CD4+ T cells via p38-dependent IL-23 release by monocyte-derived Langerhans-like cells. *J Immunol.* 2014 Dec 15;193(12):6135-43.
- [2]. Tuomela J, et al. Chloroquine has tumor-inhibitory and tumor-promoting effects in triple-negative breast cancer. *Oncol Lett.* 2013 Dec;6(6):1665-1672.
- [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.
- [4]. Colson P, et al. Chloroquine and hydroxychloroquine as available weapons to fight COVID-19. *Int J Antimicrob Agents.* 2020;55(4):105932.
- [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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