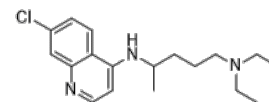


**Product Name** : Chloroquine  
**Cat. No.** : PC-24786  
**CAS No.** : 54-05-7  
**Molecular Formula** : C<sub>18</sub>H<sub>26</sub>ClN<sub>3</sub>  
**Molecular Weight** : 319.88  
**Target** : Autophagy  
**Solubility** : 10 mM in DMSO



### Biological Activity

Chloroquine is an antimalarial drug and autophagy/lysosome inhibitor, inhibiting Toll-like receptor (TLR) signalling. Chloroquine inhibits IL-12p70 release and reduces Th1-priming capacity of activated human monocyte-derived Langerhans-like cells (MoLC) at 20  $\mu$ M.

Chloroquine significantly reduces HuH7 cell proliferation in vitro and inhibited tumour growth in the mouse xenograft model.

### References

Said A, et al. J Immunol. 2014 Dec 15;193(12):6135-43.

Tuomela J, et al. Oncol Lett. 2013 Dec;6(6):1665-1672.

Mohamed FE, et al. Liver Int. 2015 Mar;35(3):1063-76.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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