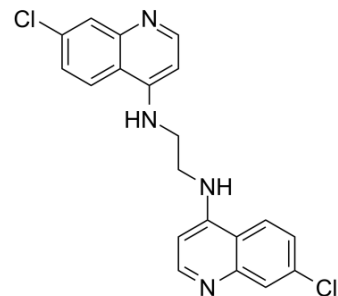


## NSC5844

<b>Cat. No.:</b>	HY-100033		
<b>CAS No.:</b>	140926-75-6		
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>16</sub> Cl <sub>2</sub> N <sub>4</sub>		
<b>Molecular Weight:</b>	383.27		
<b>Target:</b>	Parasite		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	NSC5844 (RE-640) is a 4-aminoquinoline derivative, with antitumor and antimalarial activity.
<b>IC<sub>50</sub> &amp; Target</b>	Parasite <sup>[2]</sup>
<b>In Vitro</b>	NSC5844 (Compound 10) is a 4-aminoquinoline derivative, and has antitumor activity with GI <sub>50</sub> s of 7.35 ± 0.10 μM and 14.80 ± 0.35 μM against MDA-MB-468 and MCF-7 cells, respectively <sup>[1]</sup> . NSC5844 (Compound 1) is cytotoxic to <i>P. falciparum</i> , inhibits the growth of chloroquine-sensitive (D-6) and -resistant (W-2) clones of <i>P. falciparum</i> , with IC <sub>50</sub> s of 17 and 27 nM, respectively <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Zhang H, et al. Synthesis and in vitro cytotoxicity evaluation of 4-aminoquinoline derivatives. *Biomed Pharmacother.* 2008 Feb;62(2):65-9. Epub 2007 May 24.
- [2]. Vennerstrom JL, et al. Bisquinolines. 1. N,N-bis(7-chloroquinolin-4-yl)alkanediamines with potential against chloroquine-resistant malaria. *J Med Chem.* 1992 May 29;35(11):2129-34.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA