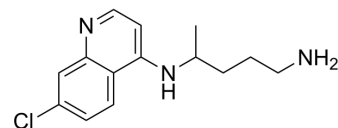


Didesethyl chloroquine

Cat. No.:	HY-100662		
CAS No.:	4298-14-0		
Molecular Formula:	C ₁₄ H ₁₈ ClN ₃		
Molecular Weight:	263.77		
Target:	Drug Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (379.12 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7912 mL	18.9559 mL	37.9118 mL
	5 mM	0.7582 mL	3.7912 mL	7.5824 mL
	10 mM	0.3791 mL	1.8956 mL	3.7912 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Didesethyl chloroquine (Bisdesethylchloroquine) is a major metabolite of the antimalarial agent Chloroquine. Didesethyl chloroquine is a potent myocardial depressant^{[1][2]}.

REFERENCES

- [1]. Biot C, et al. Synthesis and antimalarial activity in vitro of potential metabolites of ferrochloroquine and related compounds. *Bioorg Med Chem*. 1999 Dec;7(12):2843-7.
- [2]. Essien EE, et al. Effects of chloroquine and didesethylchloroquine on rabbit myocardium and mitochondria. *J Pharm Pharmacol*. 1986 Jul;38(7):543-6.

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

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