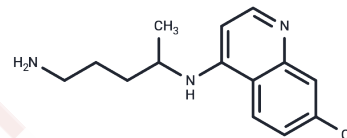


Didesethyl chloroquine

Chemical Properties

CAS No. :	4298-14-0
Formula:	C ₁₄ H ₁₈ ClN ₃
Molecular Weight:	263.77
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Didesethyl chloroquine (Bisdesethylchloroquine) is an effective myocardial inhibitor. Didesethyl chloroquine (Bisdesethylchloroquine) is the main metabolite of the antimalarial drug chloroquine.
Targets(IC50)	Drug Metabolite

Solubility Information

Solubility	DMSO: 90 mg/mL (341.21 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0758 mL	0.3791 mL	0.7582 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- 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.
- Essien EE, et al. Effects of chloroquine and didesethylchloroquine on rabbit myocardium and mitochondria. *J Pharm Pharmacol.* 1986 Jul;38(7):543-6.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481