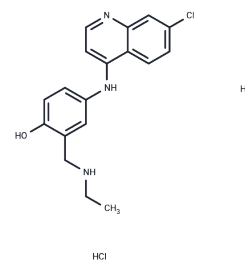


N-Desethyl amodiaquine dihydrochloride

Chemical Properties

CAS No. :	79049-30-2
Formula:	C ₁₈ H ₂₀ Cl ₃ N ₃ O
Molecular Weight:	400.73
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	N-Desethyl amodiaquine dihydrochloride is an antiparasitic agent and the major biologically active amodiaquine metabolite. Its IC ₅₀ values against strains V1/S and 3D7 were 97 nM and 25 nM, respectively.
Targets(IC ₅₀)	Parasite

Solubility Information

Solubility	DMSO: 60 mg/mL(149.73 mM),Sonication is recommended. H ₂ O: 100 mg/mL (249.54 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	2.4954 mL	12.4772 mL	24.9545 mL
5 mM	0.4991 mL	2.4954 mL	4.9909 mL
10 mM	0.2495 mL	1.2477 mL	2.4954 mL
50 mM	0.0499 mL	0.2495 mL	0.4991 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.

Reference

Sasi P, et al. In vivo and in vitro efficacy of amodiaquine against Plasmodium falciparum in an area of continued use of 4-aminoquinolines in East Africa. J Infect Dis. 2009 Jun 1;199(11):1575-82.

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