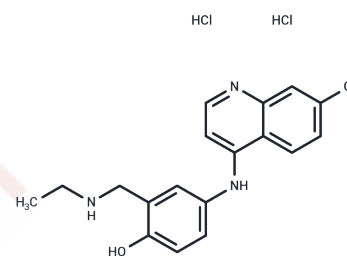


## N-Desethyl amodiaquine dihydrochloride

### Chemical Properties

CAS No. :	79049-30-2
Formula:	C <sub>18</sub> H <sub>20</sub> Cl <sub>3</sub> N <sub>3</sub> O
Molecular Weight:	400.73
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	N-Desethyl amodiaquine dihydrochloride is an antiparasitic agent and the major biologically active amodiaquine metabolite. Its IC <sub>50</sub> values against strains V1/S and 3D7 were 97 nM and 25 nM, respectively.
Targets(IC <sub>50</sub> )	Parasite

### Solubility Information

Solubility	DMSO: 9.26 mg/mL (23.11 mM),Sonication is recommended. H <sub>2</sub> O: 100 mg/mL (249.54 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.99 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### 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.

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

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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