

N-Desethyl amodiaquine

Chemical Properties

CAS No. : 79352-78-6

Formula: C₁₈H₁₈ClN₃O

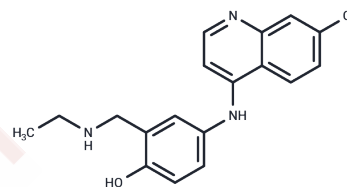
Molecular Weight: 327.81

Storage:

Store at low temperature, Keep away from direct sunlight, Keep away from moisture

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 is an antiparasitic agent and the major bioactive 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: 125 mg/mL (381.32 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: 4 mg/mL (12.2 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	3.0505 mL	15.2527 mL	30.5055 mL
5 mM	0.6101 mL	3.0505 mL	6.1011 mL
10 mM	0.3051 mL	1.5253 mL	3.0505 mL
50 mM	0.061 mL	0.3051 mL	0.6101 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

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