

N-Desethyl Amodiaquine-D5

Chemical Properties

CAS No. : 1173023-19-2

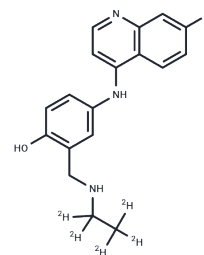
Formula: C₁₈H₁₃D₅ClN₃O

Molecular Weight: 332.84

Storage: Keep away from direct sunlight, Store at low temperature

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-D5 is a deuterated compound of N-Desethyl Amodiaquine (T12154) and can be used for isotope tracing. N-Desethyl amodiaquine is the active metabolite of Amodiaquine. It has antiparasitic effects on strain V1/S and 3D7.
Targets(IC50)	Parasite, Drug Metabolite

Solubility Information

Solubility	DMSO: 80 mg/mL (240.36 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	3.0044 mL	15.0222 mL	30.0445 mL
5 mM	0.6009 mL	3.0044 mL	6.0089 mL
10 mM	0.3004 mL	1.5022 mL	3.0044 mL
50 mM	0.0601 mL	0.3004 mL	0.6009 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;199(11):1575-1582.

Li XQ, et al. Amodiaquine clearance and its metabolism to N-desethylamodiaquine is mediated by CYP2C8: a new high affinity and turnover enzyme-specific probe substrate. J Pharmacol Exp Ther. 2002;300(2):399-407.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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