

Emoquine-1

Chemical Properties

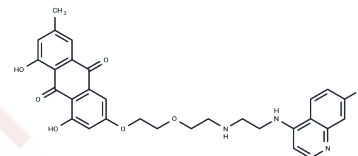
CAS No. :

Formula: C₃₀H₂₈ClN₃O₆

Molecular Weight: 562.013

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	Emoquine-1 is a potent orally active antimalarial agent effective against various drug-resistant Plasmodium strains, including artemisinin-resistant dormant parasites. It demonstrates efficacy against proliferative malignant Plasmodium with an IC ₅₀ value ranging from 20 to 55 nM. Emoquine-1 holds potential for treating Plasmodium strains resistant to artemisinin combination therapy (ACT), with the capability to eradicate persistent parasites.
Targets(IC ₅₀)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7793 mL	8.8966 mL	17.7933 mL
5 mM	0.3559 mL	1.7793 mL	3.5587 mL
10 mM	0.1779 mL	0.8897 mL	1.7793 mL
50 mM	0.0356 mL	0.1779 mL	0.3559 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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