

Antimalarial agent 19

Chemical Properties

CAS No. :	2897630-89-4
Formula:	C ₂₂ H ₃₃ Cl ₂ N ₅ S
Molecular Weight:	470.5
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Antimalarial agent 19 (compound 6e) exhibits antimalarial activity against the blood stages of <i>P. falciparum</i> K1 and <i>P. berghei</i> , with EC ₅₀ values of 0.3 μM and 15.3 μM, respectively. It demonstrates good aqueous solubility, intestinal permeability, and microsomal stability relative to gamhepathiopine [1].
Targets(IC50)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1254 mL	10.627 mL	21.254 mL
5 mM	0.4251 mL	2.1254 mL	4.2508 mL
10 mM	0.2125 mL	1.0627 mL	2.1254 mL
50 mM	0.0425 mL	0.2125 mL	0.4251 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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