

ELQ-300

Chemical Properties

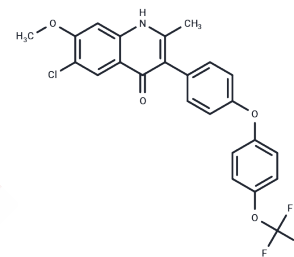
CAS No. : 1354745-52-0

Formula: C₂₄H₁₇ClF₃NO₄

Molecular Weight: 475.84

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	ELQ-300 is bioavailable antimalarial agent, acts as an inhibitor of the reductive (Qi) site of the cytochrome bc1 complex (cyt bc1)
Targets(IC50)	Parasite

Solubility Information

Solubility	DMSO: 15.62 mg/mL (32.83 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	2.1015 mL	10.5077 mL	21.0155 mL
5 mM	0.4203 mL	2.1015 mL	4.2031 mL
10 mM	0.2102 mL	1.0508 mL	2.1015 mL
50 mM	0.042 mL	0.2102 mL	0.4203 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

Stickles AM, et al. Subtle changes in endochin-like quinolone structure alter the site of inhibition within the cytochrome bc1 complex of Plasmodium falciparum. Antimicrob Agents Chemother. 2015 Apr;59(4):1977-82.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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