

ELQ-121

Chemical Properties

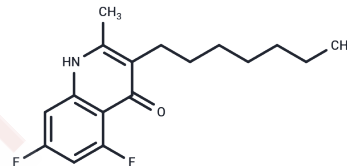
CAS No. : 1228283-36-0

Formula: C17H21F2NO

Molecular Weight: 293.35

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-121 is a potent inhibitor of the ubiquinol oxidation (QO) site in parasites. It exhibits an in vitro IC50 of 0.05 nM against both chloroquine-sensitive and multi-drug resistant Plasmodium falciparum. ELQ-121 also inhibits Toxoplasma gondii and Neospora caninum with an in vitro IC50 of less than 1 nM. It hinders the proliferation of Bacteroides fragilis tachyzoites with an IC50 of 0.49 nM and induces mitochondrial disruption. Furthermore, ELQ-121 can be formulated into a polyethylene glycol carbonate prodrug, which shows efficacy against P. yoelii in mice. ELQ-121 is applicable for antimalarial research.
Targets(IC50)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4089 mL	17.0445 mL	34.089 mL
5 mM	0.6818 mL	3.4089 mL	6.8178 mL
10 mM	0.3409 mL	1.7044 mL	3.4089 mL
50 mM	0.0682 mL	0.3409 mL	0.6818 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481