

ELQ-650

Chemical Properties

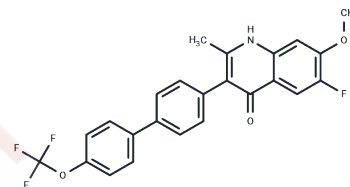
CAS No. : 3023710-00-8

Formula: C₂₄H₁₇F₄NO₃

Molecular Weight: 443.39

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-650, a quinolone derivative, exhibits antimicrobial activity against several protozoan parasites, including intraerythrocytic Plasmodium and Babesia, and attenuates babesiosis in immunosuppressed mice [1].
Targets(IC50)	Parasite
In vitro	ELQ-650 (1 nM-1 μM, 62 h) effectively inhibits the growth of B. duncani parasites with an IC50 of 22 nM, while demonstrating low toxicity to human cell lines HeLa, HepG2, HEK293, and HCT116, with an average IC50 of 26 μM [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2554 mL	11.2768 mL	22.5535 mL
5 mM	0.4511 mL	2.2554 mL	4.5107 mL
10 mM	0.2255 mL	1.1277 mL	2.2554 mL
50 mM	0.0451 mL	0.2255 mL	0.4511 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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