

Product Data Sheet

Product Name: ELQ-300

Cat. No.: GC35974

Chemical Properties

Cas. No. 1354745-52-0

SMILES O=C1C(C2=CC=C(OC3=CC=C(OC(F)(F)F)C=C3)C=C2)=C(C)NC4=C1C=C(Cl)C(OC)=C4

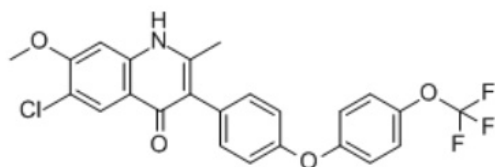
Formula $C_{24}H_{17}ClF_3NO_4$ M.Wt 475.84

Solubility DMSO: 15.62 mg/mL (32.83 mM);
Water: < 0.1 mg/mL (insoluble) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

ELQ-300 is a potent and orally bioavailable antimalarial agent, acts as an inhibitor of the reductive (Qi) site of the cytochrome bc1 complex (cyt bc1)[1]. ELQ-300 sensitizes P. falciparum Dd2, Tm90-C2B, and D1 strains with IC50s of 6.6, 4.6 and 160 nM, respectively[1].

[1]. Stickles AM, et al. Subtle changes in endochin-like quinolone structure alter the site of inhibition

Caution: Product has not been fully validated for medical applications. For research use only.

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within the cytochrome bc1 complex of Plasmodium falciparum. Antimicrob Agents Chemother. 2015 Apr;59(4):1977-82.

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