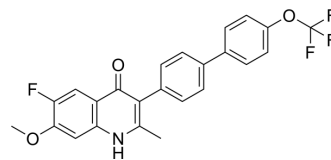


ELQ-650

Cat. No.:	HY-163484
CAS No.:	3023710-00-8
Molecular Formula:	C ₂₄ H ₁₇ F ₄ NO ₃
Molecular Weight:	443.39
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ELQ-650 is a quinolone derivative, that exhibits antimicrobial activity against several protozoan parasites, including the intraerythrocytic parasites Plasmodium and Babesia. ELQ-650 attenuates babesiosis in immunosuppressed mice ^[1] .
In Vitro	ELQ-650 (1 nM-1 μM, 62 h) inhibits growth of B. duncani parasites, with IC ₅₀ of 22 nM, reveals slightly cytotoxicity in human cell lines HeLa, HepG2, HEK293, and HCT116, with an average IC ₅₀ of 26 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Vidyam P, et al., Effectiveness of Two New Endochin-like Quinolones, ELQ-596 and ELQ-650, in Experimental Mouse Models of Human Babesiosis. ACS Infect Dis. 2024 Apr 12;10(4):1405-1413.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA