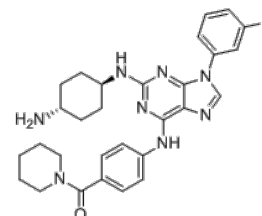


Product Name : Purfalcamine
Cat. No. : PC-62162
CAS No. : 1038620-68-6
Molecular Formula : C₂₉H₃₃FN₈O
Molecular Weight : 528.636
Target : Parasite
Solubility : 10 mM in DMSO



Biological Activity

Purfalcamine is a potent, specific inhibitor of Plasmodium falciparum calcium-dependent protein kinase 1 (**PfCDPK1**) with IC₅₀ of 17 nM.

Purfalcamine inhibits proliferation of P falciparum strains (Dd2, FCB, HB3 and W2) with nanomolar EC₅₀s of (171–259 nM). Purfalcamine blocks microneme discharge and erythrocyte invasion by P. falciparum merozoites; an anti-malaria parasite agent.

References

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Bansal A, et al. *J Biol Chem*. 2013 Jan 18;288(3):1590-602.

Gaji RY, et al. *Antimicrob Agents Chemother*. 2014 May;58(5):2598-607.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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