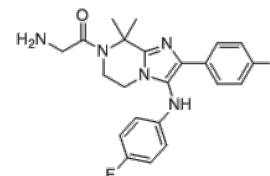


Product Name : Ganaplacide
Cat. No. : PC-61378
CAS No. : 1261113-96-5
Molecular Formula : C₂₂H₂₃F₂N₅O
Molecular Weight : 411.457
Target : Parasite
Solubility : 10 mM in DMSO



Biological Activity

Ganaplacide (KAF156, GNF-156) is a novel **antimalarial** clinical candidate that shows blood schizonticidal activity with IC₅₀ of 6-17.4 nM against *P. falciparum* drug-sensitive and drug-resistant strains.

KAF156 demonstrates potent therapeutic activity in mouse models of malaria with 50, 90, and 99% effective doses of 0.6, 0.9, and 1.4 mg/kg, respectively.

KAF156 is completely protective as a single oral dose of 10 mg/kg in sporozoite challenge mouse model.

KAF156 shows the potential to treat, prevent, and block the transmission of malaria.

References

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Lim MY, et al. *Nat Microbiol.* 2016 Sep 19:16166.

White NJ, et al. *N Engl J Med.* 2016 Sep 22;375(12):1152-60.

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

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