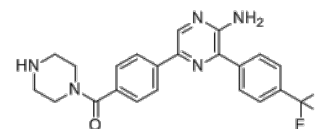


Product Name : UCT943
Cat. No. : PC-35292
CAS No. : 1450666-80-4
Molecular Formula : C₂₂H₂₀F₃N₅O
Molecular Weight : 427.431
Target : PI4K
Solubility : 10 mM in DMSO



Biological Activity

UCT943 (UCT-943) is a potent, selective, next generation Plasmodium falciparum **PI4K** inhibitor with IC₅₀ of 23 nM. UCT943 displays higher asexual blood stage, transmission-blocking, and liver stage activity than MMV048 and is more potent against resistant P. falciparum and P. vivax clinical isolates. UCT943 demonstrates excellent in vitro antiplasmodial activity in P. berghei and humanized P. falciparum mouse models.

References

Brunschwig C, et al. *Antimicrob Agents Chemother*. 2018 Jun 25. pii: AAC.00012-18.

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

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