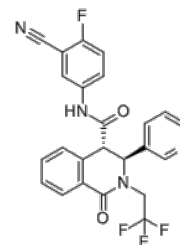


Product Name : SJ733
Cat. No. : PC-61904
CAS No. : 1424799-20-1
Molecular Formula : C₂₄H₁₆F₄N₄O₂
Molecular Weight : 468.412
Target : Parasite
Solubility : 10 mM in DMSO



Biological Activity

SJ733 (SJ000557733, SJ-557733) is an anti-malarial compound that targets **ATP4 (PfATP4)**, a cation-transporting ATPase responsible for maintaining low intracellular Na(+) levels in the parasite.

SJ733 displays high potency in vitro against all tested strains of *P. falciparum* with EC₅₀ of 10-60 nM.

SJ733 kills parasites and the high fitness cost associated with resistance-conferring mutations appear to slow and suppress the selection of highly drug-resistant mutants in vivo; high oral bioavailability.

References

Jiménez-Díaz MB, et al. *Proc Natl Acad Sci U S A*. 2014 Dec 16;111(50):E5455-62.

Crawford ED, et al. *PLoS One*. 2017 May 22;12(5):e0178163.

Mogollon CM, et al. *PLoS One*. 2016 Dec 20;11(12):e0168362.

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

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