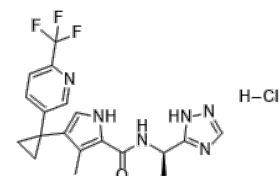


Product Name : DSM705 hydrochloride
Cat. No. : PC-23720
CAS No. : 2989908-08-7
Molecular Formula : C₁₉H₂₀ClF₃N₆O
Molecular Weight : 440.86
Target : Parasite
Solubility : 10 mM in DMSO



Biological Activity

DSM705 hydrochloride (DSM 705) is a potent, highly selective, long-duration and orally bioavailable malaria DHODH inhibitor with IC₅₀ of 95 nM (PfDHODH), and 52 nM (P. vivax DHODH).

DSM705 shows no inhibition of mammalian DHODHs. DSM705 shows inhibitory activity against P. falciparum Pf3D7 cells (EC₅₀=12 nM).

DSM705 (50 mg/kg, p.o.) fully suppresses parasitemia in vivo.

References

Palmer MJ, et, al. J Med Chem. 2021 May 13;64(9):6085-6136.

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

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