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Data Sheet

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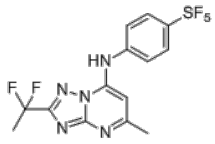
Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name : DSM265
Cat. No. : PC-60458
CAS No. : 1282041-94-4
Molecular Formula : $C_{14}H_{12}F_7N_5S$
Molecular Weight : 415.334
Target : Parasite
Solubility : 10 mM in DMSO



Biological Activity

DSM265 is a potent, highly selective, long-duration and orally bioavailable malaria DHODH (**PfDHODH**) inhibitor with IC50 of 0.01 ug/mL.
DSM265 displays excellent selectivity versus human DHODH.
DSM265 potently kills both sensitive and drug resistant strains of the parasite with EC50 of 0.001-0.004 ug/ml.
DSM265 has favorable pharmacokinetic properties and efficacious against both blood and liver stages of P. falciparum in vivo.

References

Coteron JM, et al. ***J Med Chem.*** 2011 Aug 11;54(15):5540-61.

Phillips MA, et al. ***Sci Transl Med.*** 2015 Jul 15;7(296):296ra111.

Kokkonda S, et al. ***J Med Chem.*** 2016 Jun 9;59(11):5416-31.

Phillips MA, et al. ***ACS Infect Dis.*** 2016 Dec 9;2(12):945-957.

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

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