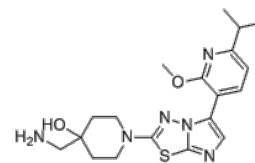


Product Name : INE963
Cat. No. : PC-72521
CAS No. : 2640567-43-5
Molecular Formula : C₁₉H₂₆N₆O₂S
Molecular Weight : 402.517
Target : Parasite
Solubility : 10 mM in DMSO



Biological Activity

INE963 (INE-963) is a potent and fast-acting blood-stage antimalarial, demonstrates potent cellular activity against **Pf 3D7** with EC₅₀ of 6 nM in Pf growth inhibition assay.

INE963 displays excellent antiplasmodium potency, selectivity against human kinases, and absorption, distribution, metabolism, excretion, and toxicity properties and extended pharmacological profiles.

A single dose of INE963 (30 mg/kg) is fully curative in the Pf-humanized severe combined immunodeficient mouse model.

INE963 exhibits a high barrier to resistance in drug selection studies and a long half-life (T_{1/2}) across species.

References

Benjamin R. Taft, et al. ACS Med. Chem. Lett. 2022

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

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