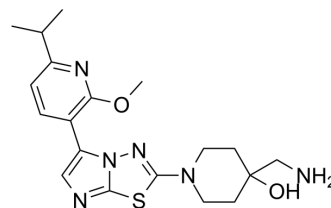


INE963

Cat. No.:	HY-145964
CAS No.:	2640567-43-5
Molecular Formula:	C ₁₉ H ₂₆ N ₆ O ₂ S
Molecular Weight:	402.51
Target:	Parasite
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (248.44 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.4844 mL	12.4221 mL	24.8441 mL	
		5 mM	0.4969 mL	2.4844 mL	4.9688 mL	
		10 mM	0.2484 mL	1.2422 mL	2.4844 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.21 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.21 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.21 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	INE963 is a potent and fast-acting blood-stage antimalarial agent, with an EC ₅₀ s of 3-6 nM. INE963 is potential for single-dose cures in uncomplicated malaria ^[1] .
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REFERENCES

[1]. Taft BR, et, al. Discovery and Preclinical Pharmacology of INE963, a Potent and Fast-Acting Blood-Stage Antimalarial with a High Barrier to Resistance and Potential for Single-Dose Cures in Uncomplicated Malaria. J Med Chem. 2022 Mar 10;65(5):3798-3813.

Caution: Product has not been fully validated for medical applications. For research use only.

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