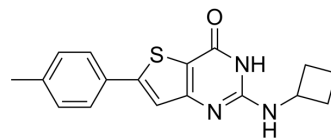


Antimalarial agent 33

Cat. No.: HY-155354
Molecular Formula: C₁₇H₁₇N₃OS
Molecular Weight: 311.4
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 : 5 mg/mL (16.06 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	3.2113 mL	16.0565 mL	32.1130 mL	
5 mM	0.6423 mL	3.2113 mL	6.4226 mL	
10 mM	0.3211 mL	1.6057 mL	3.2113 mL	

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Antimalarial agent 33 (compound 5g) has antiplasmodial activity against erythrocytic and hepatic stages of Plasmodium with an EC₅₀ of 1.1 μM for K1 P. falciparum strain. Antimalarial agent 33 demonstrates enhanced microsomal stability (T_{1/2} = 29 min). Antimalarial agent 33 has no significant cytotoxicity against primary hepatocytes^[1].

REFERENCES

[1]. Prisca Lagardère, et al. Novel thienopyrimidones targeting hepatic and erythrocytic stages of Plasmodium parasites with increased microsomal stability. Eur J Med Chem. 2023 Dec 5;261:115873.

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

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