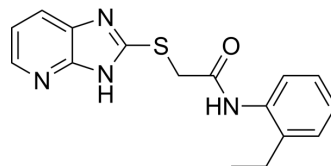


D44

Cat. No.:	HY-W046346
CAS No.:	826998-10-1
Molecular Formula:	C ₁₆ H ₁₆ N ₄ OS
Molecular Weight:	312.39
Target:	FKBP; Parasite
Pathway:	Apoptosis; Autophagy; Cell Cycle/DNA Damage; Immunology/Inflammation; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

D44 is a Plasmodium FKBP₃₅ inhibitor that selectively inhibits the FKBD35 PPIase activity, with PPIase IC₅₀ values of 132 nM and 125 nM for Plasmodium falciparum and Plasmodium vivax, respectively. D44 exhibits antiplasmodium activity and can be used in research related to infectious diseases^{[1][2]}.

REFERENCES

- [1]. Atack TC, et al. Targeted Covalent Inhibition of Plasmodium FK506 Binding Protein 35. ACS Med Chem Lett. 2020 Sep 1;11(11):2131-2138.
- [2]. Harikishore A, et al. Small molecule Plasmodium FKBP35 inhibitor as a potential antimalaria agent[J]. Scientific reports, 2013, 3(1): 2501.

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

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