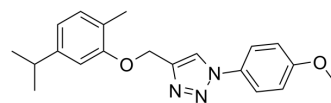


JMI-105

Cat. No.:	HY-147849
CAS No.:	2227315-30-0
Molecular Formula:	C ₂₀ H ₂₃ N ₃ O ₂
Molecular Weight:	337.42
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

JMI-105 is a potent PfFP-2 (Plasmodium falciparum falcipain-2 protease) inhibitor. JMI-105 inhibits the growth of CQ^S (3D7; IC₅₀=8.8 μM) and CQ^R (RKL-9; IC₅₀=14.3 μM) strains of P. falciparum. JMI-105 significantly decreases parasitemia and prolonged host survival in a murine model with P. berghei ANKA infection. JMI-105 has the potential to be used as an anti-malarial agent^[1].

REFERENCES

[1]. Uddin A, et al. Identification and structure-activity relationship (SAR) studies of carvacrol derivatives as potential anti-malarial against Plasmodium falciparum falcipain-2 protease. Bioorg Chem. 2020 Oct;103:104142.

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

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