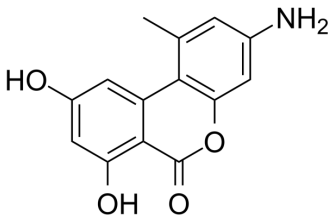
Pulixin

Cat. No.:	HY-N10197
CAS No.:	2826264-81-5
Molecular Formula:	$C_{14}H_{11}NO_4$
Molecular Weight:	257.24
Target:	Parasite; Endogenous Metabolite
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Pulixin prevents FREP1 from binding to P. falciparum-infected cell lysate. Pulixin blocks the transmission of the parasite to mosquitoes with an EC_{50} of 11 μM. Pulixin also inhibits the proliferation of asexual-stage P. falciparum with an EC_{50} of 47 nM [1].	
IC_{50} & Target	Plasmodium	Microbial Metabolite
In Vitro	Pulixin, a fungal metabolite, inhibits Plasmodium falciparum transmission and infection. It does not show cytotoxic effects at a concentration of 116 μM or lower[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Niu G, et al. A novel fungal metabolite inhibits Plasmodium falciparum transmission and infection. Parasit Vectors. 2021;14(1):177. Published 2021 Mar 24.

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