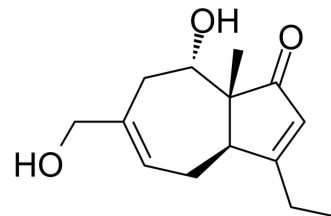


## Asperaculane B

Cat. No.:	HY-N10190
CAS No.:	2378379-27-0
Molecular Formula:	C <sub>14</sub> H <sub>20</sub> O <sub>3</sub>
Molecular Weight:	236.31
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	Asperaculane B is a fungal metabolite against <i>P. falciparum</i> transmission with an IC <sub>50</sub> of 7.89 μM. Asperaculane B also inhibits the development of asexual <i>P. falciparum</i> with IC <sub>50</sub> of 3 μM, and it is nontoxic to human cells <sup>[1]</sup> .	
IC <sub>50</sub> & Target	Plasmodium	Microbial Metabolite
In Vitro	Asperaculane B is a new dual-functional antimalarial lead that has the potential to treat malaria and block malaria transmission <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### REFERENCES

[1]. Niu G, et al. Fungal Metabolite Asperaculane B Inhibits Malaria Infection and Transmission. *Molecules*. 2020;25(13):3018. Published 2020 Jul 1.

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

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