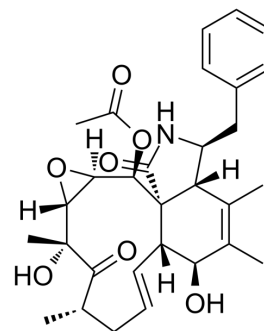


19,20-Epoxychothalasin C

Cat. No.:	HY-N8385
CAS No.:	189351-79-9
Molecular Formula:	C ₃₀ H ₃₇ NO ₇
Molecular Weight:	523.62
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	19,20-Epoxychothalasin C, a cytochalasin, is a fungal metabolite from <i>Nemania</i> sp. 19,20-Epoxychothalasin C shows potent in vitro antiplasmodial activity and phytotoxicity ^[1] .	
IC₅₀ & Target	Plasmodium	Microbial Metabolite
In Vitro	19,20-Epoxychothalasin C shows moderate toxicity to cell line SK-MEL with an IC ₅₀ of 8.02 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
In Vivo	Evaluation of in vivo antimalarial activity of 19,20-Epoxychothalasin C in a mouse model at 100 mg/kg dose shows that this compound has weak suppressive antiplasmodial activity and is toxic to animals ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Mallika Kumarihamy, et al. Antiplasmodial and Cytotoxic Cytochalasins from an Endophytic Fungus, *Nemania* sp. UM10M, Isolated from a Diseased *Torreya taxifolia* Leaf. *Molecules*. 2019 Feb 21;24(4):777.

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

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