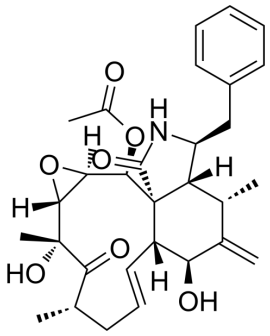
19,20-Epoxycytochalasin D

Cat. No.:	HY-N8349
CAS No.:	191349-10-7
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-Epoxycytochalasin D, a cytochalasin, is a fungal metabolite from Nemania sp. 19,20-Epoxycytochalasin D shows potent in vitro antiplasmodial activity and phytotoxicity[1].	
IC_{50} & Target	Plasmodium	Microbial Metabolite
In Vitro	19,20-Epoxycytochalasin D shows moderate toxicity to BT-549 and LLC-PK11 cell lines, with IC_{50} values of 7.84 μM and 8.4 μM, respectively[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.

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