



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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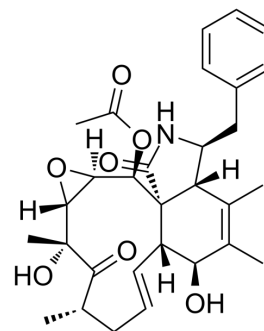
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## 19,20-Epoxychothalasin C

Cat. No.:	HY-N8385
CAS No.:	189351-79-9
Molecular Formula:	C <sub>30</sub> H <sub>37</sub> NO <sub>7</sub>
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

<b>Description</b>	19,20-Epoxychothalasin C, a cytochalasin, is a fungal metabolite from <i>Nemania</i> sp. 19,20-Epoxychothalasin C shows potent <i>in vitro</i> antiplasmodial activity and phytotoxicity <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	Plasmodium	Microbial Metabolite
<b>In Vitro</b>	19,20-Epoxychothalasin C shows moderate toxicity to cell line SK-MEL with an IC <sub>50</sub> of 8.02 μM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
<b>In Vivo</b>	Evaluation of <i>in vivo</i> 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 <sup>[1]</sup> . 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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