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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

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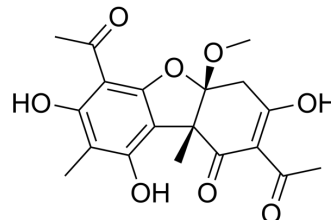
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(-)-Mycousnine

Cat. No.:	HY-N8256
CAS No.:	77480-55-8
Molecular Formula:	C ₁₉ H ₂₀ O ₈
Molecular Weight:	376.36
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(-)-Mycousnine is a microbial metabolite and derivative of Usnic Acid (HY-N0656) originally isolated from *M. nawae* that has antibacterial and antifungal activities. It is active against the Gram-positive bacteria *B. subtilis*, *K. rhizophila*, and *S. aureus* (MICs=4, 8, and 4 g/ml, respectively) but not the Gram-negative bacteria *E. coli*, *S. typhimurium*, and *K. pneumoniae* (MICs=>128 g/ml for all).² (-)-Mycousnine is also active against the fungi *T. mentagrophytes*, *T. rubrum*, and *C. albicans* (MICs=25, 25, and 100 µg/mL, respectively).

REFERENCES

[1]. Sassa, et al. Structures of (-)-mycousnine, (+)-isomycousnine and (+)-oxymycousnine, new usnic acid derivatives from phytopathogenic *Mycosphaerella nawae*. *Agric. Biol. Chem.* 54(9), 2231-2237 (1990).

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

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