



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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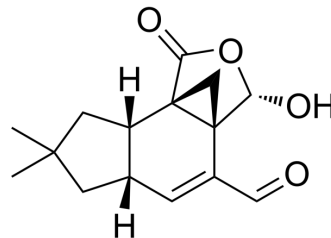
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Marasmic acid

Cat. No.:	HY-126637
CAS No.:	2212-99-9
Molecular Formula:	C ₁₅ H ₁₈ O ₄
Molecular Weight:	262.3
Target:	Bacterial; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Marasmic acid is a sesquiterpenoid with unsaturated dialdehyde functionality, first isolated from the Basidiomycete *Marasmius conigenus*. Marasmic acid has antibacterial, antifungal, cytotoxic and mutagenic activities, and its broad-spectrum activity is related to the α,β -unsaturated aldehyde group. However, its detailed biological mechanism of action has not been clarified. Previous studies have suggested that marasmic acid may exert its effects by reacting with endogenous nucleophiles or forming pyrrole derivatives. This study found that marasmic acid interferes with the membrane sensor histidine kinase MoSln1p of *M. oryzae*, superactivates the HOG pathway and causes cell death, indicating that its mechanism of action is different from other unsaturated dialdehyde sesquiterpenoids.

REFERENCES

[1]. Hog1p activation by marasmic acid through inhibition of the histidine kinase Sln1p

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

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