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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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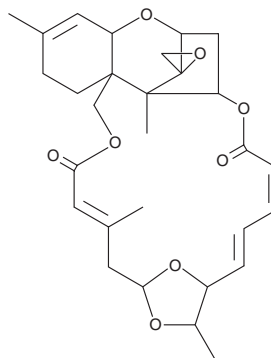
PRODUCT INFORMATION



Verrucarin H

Item No. 40936

CAS Registry No.: 29953-50-2
Formal Name: 2',3'-didehydro-7'-deoxy-2'-deoxy-7',5'-(ethylideneoxy)-verrucarin A
Synonyms: NSC 274540, Roridin H
MF: C₂₉H₃₆O₈
FW: 512.6
Purity: ≥70%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Verrucarin H is supplied as a solid. A stock solution may be made by dissolving the verrucarin H in the solvent of choice, which should be purged with an inert gas. Verrucarin H is soluble in ethanol, methanol, dichloromethane, and DMSO.

Description

Verrucarin H is a macrocyclic trichothecene mycotoxin that has been found in *M. verrucaria*.¹ It is cytotoxic to H4TG hepatoma cancer cells, MDCK kidney cells, NIH3T3 fibroblasts, and KA31T fibroblasts (IC₅₀s = 10.8, 3.98, 9.84, and 8.64 nM, respectively). It inhibits the growth of duckweed plantlets (IC₅₀ = 9.7 μM).

Reference

1. Abbas, H.K., Johnson, B.B., Shier, W.T., *et al.* Phytotoxicity and mammalian cytotoxicity of macrocyclic trichothecene mycotoxins from *Myrothecium verrucaria*. *Phytochemistry* **59**(3), 309-313 (2002).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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