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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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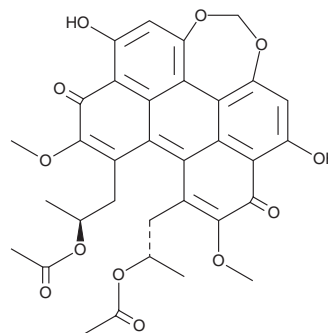
PRODUCT INFORMATION



Diacetylcercosporin

Item No. 23639

CAS Registry No.: 62574-06-5
Formal Name: [S-(R*,R*)]-8,9-bis[2-(acetyloxy)propyl]-5,12-dihydroxy-7,10-dimethoxyperyllo[1,12-def]-1,3-dioxepin-6,11-dione
MF: C₃₃H₃₀O₁₂
FW: 618.6
Purity: ≥95%
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

Diacetylcercosporin is supplied as a solid. A stock solution may be made by dissolving the diacetylcercosporin in the solvent of choice, which should be purged with an inert gas. Diacetylcercosporin is soluble in organic solvents such as ethanol, methanol, DMSO, and dimethyl formamide

Description

Diacetylcercosporin is a perylenequinone produced by *Cercospora* and *Septoria* that has diverse biological activities.¹ It inhibits the growth of *P. falciparum* strains that are sensitive and resistant to chloroquine (Item No. 14194; IC₅₀s = 2.75 and 1.94 μM for D6 and W2 clones, respectively) and *L. donovani* parasites (IC₅₀ = 3.1 μM) *in vitro*. Diacetylcercosporin exhibits cytotoxicity against SK-MEL, KB, BT549, and SKOV3 human cancer cell lines (IC₅₀s = 4.8-8.7 μM). It is also a phytotoxin that inhibits the growth of lettuce and bentgrass at a concentration of 1.62 mM.

Reference

1. Kumarihamy, M., Khan, S.I., Jacob, M., *et al.* Antiprotozoal and antimicrobial compounds from the plant pathogen *Septoria pistaciarum*. *J. Nat. Med.* **75**(5), 883-889 (2012).

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.

WARRANTY AND LIMITATION OF REMEDY

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