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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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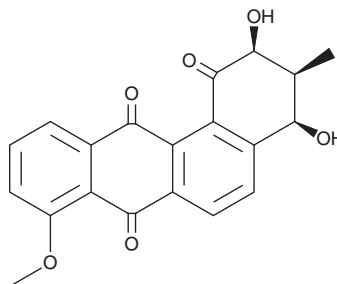
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PRODUCT INFORMATION



Rubiginone D₂ Item No. 31463

CAS Registry No.: 274913-71-2
Formal Name: (2S,3S,4R)-3,4-dihydro-2,4-dihydroxy-8-methoxy-3-methyl-benz[a]anthracene-1,7,12(2H)-trione
MF: C₂₀H₁₆O₆
FW: 352.3
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years
Item Origin: Bacterium/*Streptomyces* sp.



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

Laboratory Procedures

Rubiginone D₂ is supplied as a solid. A stock solution may be made by dissolving the rubiginone D₂ in the solvent of choice, which should be purged with an inert gas. Rubiginone D₂ is soluble in methanol and DMSO.

Description

Rubiginone D₂ is a polyketide that has been found in *Streptomyces* that has antibacterial and anticancer activities.¹ It is active against *S. aureus* and *E. coli*, but not *B. subtilis*, in agar diffusion assays when used at a concentration of 64 µg/disc. Rubiginone D₂ inhibits growth of HM02, KATO III, HepG2, and MCF-7 cancer cells (GI₅₀s = 0.1, 0.7, <0.1, and 7.5 µmol/L).

Reference

1. Puder, C. and Zeeck, A. New biologically active rubiginones from *Streptomyces* sp. *J. Antibiot. (Tokyo)* **53(4)**, 329-336 (2000).

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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