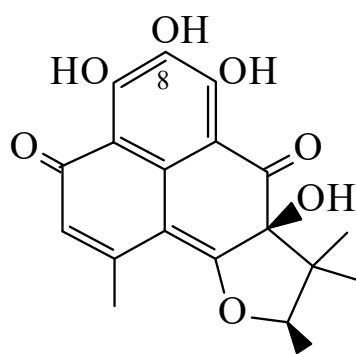




>>Entry Name: Norherqueinone, 8Cl



Absolute
configuration

CAS Registry Number: 11023-93-1

Molecular Formula: C₁₉H₁₈O₇

Molecular Weight: 358.347

Accurate Mass: 358.105255

Percentage Composition: C 63.68%; H 5.06%; O 31.25%

Biological Source: Metab. of *Penicillium herquei*

Use/Importance: Antibiotic

Physical Description: Dark-red needles (AcOH)

Melting Point: Mp 279 dec.°

Optical Rotation: $[\alpha]_D^{23} +1080$ (c, 0.048 in Py)

Solubility: BERDY SOL: Poorly sol. H₂O

Other Data: Structurally related to Atrovenetin

>>Derivative: 8-Me ether

Synonym(s): Herqueinone, PD 1. Antibiotic PD 1

CAS Registry Number: 26871-30-7

Molecular Formula: C₂₀H₂₀O₇

Molecular Weight: 372.374

Accurate Mass: 372.120905

Percentage Composition: C 64.51%; H 5.41%; O 30.08%

Biological Source: Metab. of *Penicillium herquei* and *Penicillium diversum aureum*

Physical Description: Brick-red needles (EtOH)

Melting Point: Mp 226 dec.°

Optical Rotation: $[\alpha]_D^{22} +440$ (c, 0.063 in EtOH)

>>Derivative: Tetra-Me ether

Physical Description: Pale-yellow plates

Melting Point: Mp 345°

References:

Cason, J. *et al.*, *Tetrahedron*, 1962, **18**, 839, (*struct, synth*)

Cason, J. *et al.*, *J.O.C.*, 1970, **35**, 179, (*isol, nmr, ms*)

Brooks, J.S. *et al.*, *J.C.S. Perkin 1*, 1972, 421, (*isol, nmr, ms, synth*)

Yoshioka, T. *et al.*, *Bull. Chem. Soc. Jpn.*, 1982, **55**, 3847, (*cryst struct, bibl*)

Suga, T. *et al.*, *Bull. Chem. Soc. Jpn.*, 1983, **56**, 3661, (*cmr*)

Fujimoto, Y. *et al.*, *CA*, 1984, **100**, 82456, (*isol*)