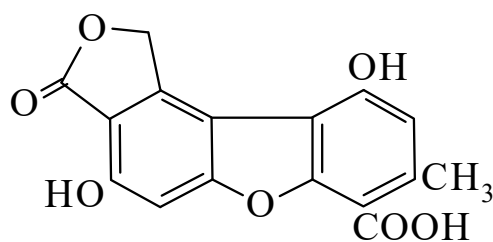




>>Entry Name: Porphyrilic acid

Synonym(s): 1,3-Dihydro-4,10-dihydroxy-8-methyl-3-oxoisobenzofuro[5,4-*b*]benzofuran-7-carboxylic acid, 9CI



CAS Registry Number: 129-65-7

Molecular Formula: C₁₆H₁₀O₇

Molecular Weight: 314.251

Accurate Mass: 314.042655

Percentage Composition: C 61.15%; H 3.21%; O 35.64%

Biological Source: Lichen acid from *Haematomma* spp., *Stereocaulon strictum* and *Siphula* spp.

Physical Description: Fine needles (EtOH)

Melting Point: Mp 280-283 dec.°

>>Derivative: Me ester

Synonym(s): Methyl porphyrilate

Molecular Formula: C₁₇H₁₂O₇

Molecular Weight: 328.278

Accurate Mass: 328.058305

Percentage Composition: C 62.20%; H 3.68%; O 34.12%

Biological Source: Occurs in lichens

References:

Wachtmeister, C.A., *Acta Chem. Scand.*, 1954, **8**, 1433; 1956, **10**, 1404, (*isol, struct*)

Huneck, S. *et al.*, *Tetrahedron*, 1968, **24**, 2707, (*ms*)

Huneck, S., *Phytochemistry*, 1974, **13**, 2313, (*isol*)

Sargent, M.V., *J.C.S. Perkin I*, 1987, 231, (*synth*)