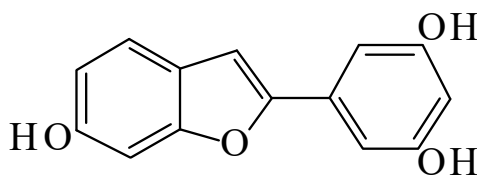




>>Entry Name: 2-(3,5-Dihydroxyphenyl)-6-hydroxybenzofuran

Synonym(s): 5-(6-Hydroxy-2-benzofuranyl)-1,3-benzenediol, 9Cl. **Moracin M.** Veraphenol



CAS Registry Number: 56317-21-6

Type of Compound Code(s): VK3820

Molecular Formula: C₁₄H₁₀O₄

Molecular Weight: 242.231

Accurate Mass: 242.05791

Percentage Composition: C 69.42%; H 4.16%; O 26.42%

Biological Source: Isol. from *Morus alba* infected with *Fusarium solani*. Also from *Veratrum taliense*

Use/Importance: Phytoalexin

Physical Description: Light pink cryst.

Melting Point: Mp 275° (238-240°)

UV: [neutral] $\lambda_{\max}$ 217 (ϵ 30200); 316 (ϵ 33400); 330 (ϵ 27900) (MeOH) (Berdy)

>>Derivative: 3'-O- β -D-Glucopyranoside

CAS Registry Number: 152041-26-4

Type of Compound Code(s): VK3820

Molecular Formula: C₂₀H₂₀O₉

Molecular Weight: 404.373

Accurate Mass: 404.110735

Percentage Composition: C 59.41%; H 4.99%; O 35.61%

Biological Source: Constit. of *Morus insignis*

Physical Description: Pale yellow cryst.

Melting Point: Mp 284°

References:

- Takasugi, M. *et al.*, *CA*, 1980, **92**, 160540, (*isol, struct*)
Watanabe, M. *et al.*, *Chem. Pharm. Bull.*, 1991, **39**, 579, (*synth*)
Mann, I.S. *et al.*, *Tetrahedron*, 1991, **47**, 7981; 7991, (*synth*)
Basnet, P. *et al.*, *Chem. Pharm. Bull.*, 1993, **41**, 1238-1243, (*isol*)
Zhou, C.X. *et al.*, *Planta Med.*, 1999, **65**, 480-482, (*Veraphenol, pmr, cmr*)