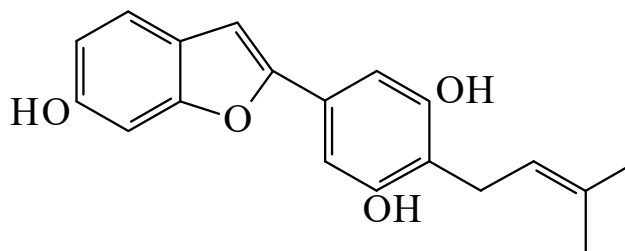




>>Entry Name: Moracin C

Synonym(s): 5-(6-Hydroxy-2-benzofuranyl)-2-(3-methyl-2-butenyl)-1,3-benzenediol, 9Cl. 2-(3,5-Dihydroxy-4-prenylphenyl)-6-hydroxybenzofuran



CAS Registry Number: 69120-06-5

Molecular Formula: C<sub>19</sub>H<sub>18</sub>O<sub>4</sub>

Molecular Weight: 310.349

Accurate Mass: 310.12051

Percentage Composition: C 73.53%; H 5.85%; O 20.62%

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

Use/Importance: Phytoalexin

Physical Description: Plates

Melting Point: Mp 198-199°

UV: [neutral]  $\lambda_{\text{max}}$  219 ( $\epsilon$  31900); 319 ( $\epsilon$  40900); 333 ( $\epsilon$  34600) (EtOH) (Berdy)

>>Derivative: Tri-Ac

Melting Point: Mp 156-157°

References:

Deshpande, V.H. *et al.*, *Indian J. Chem.*, 1975, **13**, 453, (*isol*)

Takasugi, M. *et al.*, *CA*, 1980, **92**, 160540, (*isol, struct*)

McAllister, G.D. *et al.*, *J.C.S. Perkin 1*, 1998, 3453-3457, (*synth, pmr*)