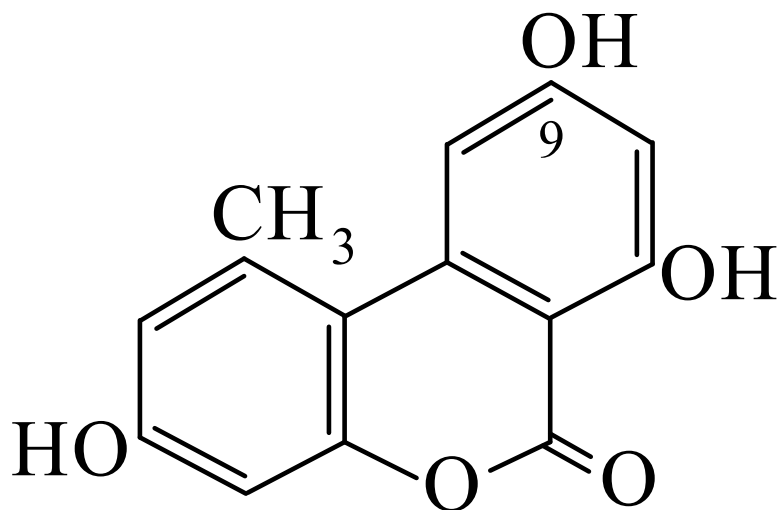




>>Entry Name: Alternariol

ENTRY UNDER REVIEW

Synonym(s): 3,7,9-Trihydroxy-1-methyl-6*H*-dibenzo[*b,d*]pyran-6-one, 9Cl. 3,4',5-Trihydroxy-6'-methyldibenzo- α -pyrone



CAS Registry Number: 641-38-3

Molecular Formula: C₁₄H₁₀O₅

Molecular Weight: 258.23

Accurate Mass: 258.052825

Percentage Composition: C 65.12%; H 3.90%; O 30.98%

Biological Source: Occurs in mycelium of *Alternaria tenuis* responsible for alternaria cone disorder in hops and fruit spot on papaya (*Carica papaya*) and *Passiflora* spp.

Use/Importance: Phytotoxic, DNA-intercalating mycotoxin

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 350 dec.°

Solubility: BERDY SOL: Sol. MeOH, bases, Et₂O; poorly sol. C₆H₆, hexane, H₂O

UV: [neutral] $\lambda_{\max}$ 213 (ϵ 21900); 258 (ϵ 41700); 290 (ϵ 10500); 303 (ϵ 11200); 336 (ϵ 11500) (MeOH) (Derep)

[neutral] $\lambda_{\max}$ 255 (); 288 (); 298 (); 337 () (MeOH) (Berdy)

Other Data: Sublimes at 250° *in vacuo*

Hazard & Toxicity: Exp. reprod. and teratogenic effects

Sigma: A1312