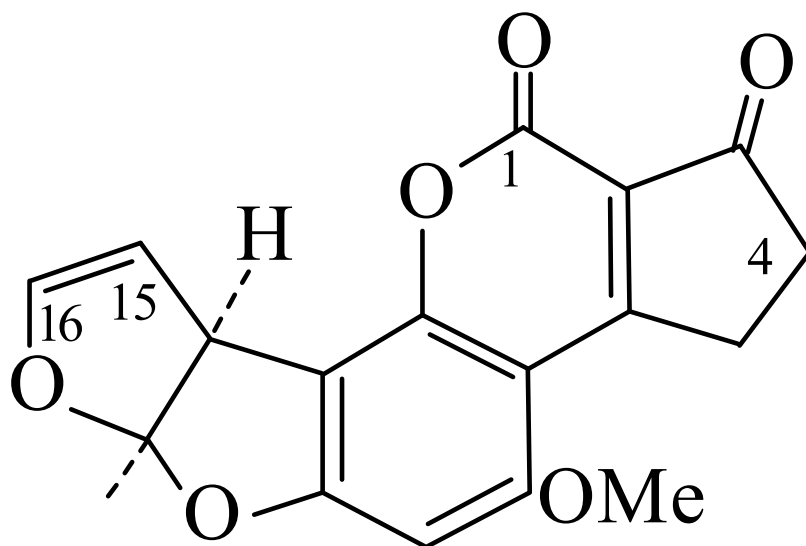




>>Entry Name: Aflatoxin B₁

ENTRY UNDER REVIEW

Synonym(s): 2,3,6a,9a-Tetrahydro-4-methoxycyclopenta[c]furo[3,2':4,5]furo[2,3-*h*][1]benzopyran-1,11-dione, 9Cl.
Aflatoxin FB₁. Aflatoxin B



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CAS Registry Number: 1162-65-8

Related CAS Registry Numbers(s): 42583-46-0

Molecular Formula: C₁₇H₁₂O₆

Molecular Weight: 312.278

Accurate Mass: 312.06339

Percentage Composition: C 65.39%; H 3.87%; O 30.74%

Solubility: BERDY SOL: Sol. MeOH, CHCl₃; poorly sol. hexane

UV: [neutral] λ_{max} 220 (ε 25600); 265 (ε 13400); 362 (ε 21800) (MeOH) (Berdy) [neutral] λ_{max} 223 (ε 25100); 265 (ε 13400); 362 (ε 21800) (EtOH) (Berdy)

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, orl) 1 mg/kg

Aldrich: 85620-7

Sigma: A6636

Supelco: R42-6050