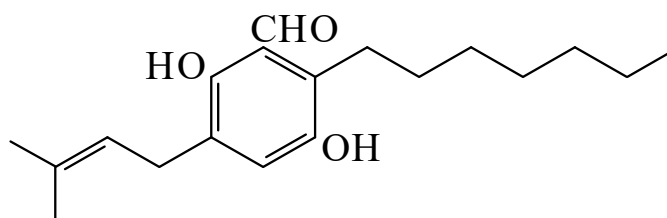




>>Entry Name: 2-Heptyl-3,6-dihydroxy-5-prenylbenzaldehyde

Synonym(s): 2-Heptyl-3,6-dihydroxy-5-(3-methyl-2-butenyl)benzaldehyde, 9Cl. 6-Heptyl-3-(3-methyl-2-butenyl)gentisaldehyde, 9Cl. **Flavoglaucin**



CAS Registry Number: 523-73-9

Molecular Formula: C₁₉H₂₈O₃

Molecular Weight: 304.428

Accurate Mass: 304.203845

Percentage Composition: C 74.96%; H 9.27%; O 15.77%

Biological Source: Isol. from *Aspergillus flavus* and other *Aspergillus* spp.

Physical Description: Pale-yellow cryst.

Melting Point: Mp 103°

UV: [neutral] λ_{max} 236 (ε 70000); 274 (ε 7080); 394 (ε 4570) (MeOH) (Berdy) [neutral] λ_{max} 270 (ε 68000); 394 (ε 5050) (EtOH) (Berdy)

>>Derivative: Phenylhydrazone

Melting Point: Mp 137°

Other Data: Rather unstable

>>Derivative: (E)-2,4-Dinitrophenylhydrazone

Physical Description: Red cryst.

Melting Point: Mp 179-181°

>>Derivative: (Z)-2,4-Dinitrophenylhydrazone

Physical Description: Orange cryst.

Melting Point: Mp 186-187°

References:

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Podojil, M. *et al.*, *Folia Microbiol. (Prague)*, 1978, **23**, 438, (*isol, props*)

Gatti, G. *et al.*, *J. Chem. Res., Synop.*, 1979, 366, (*cmr*)

Nazar, M. *et al.*, *Toxicol. Lett.*, 1984, **23**, 233, (*tox*)