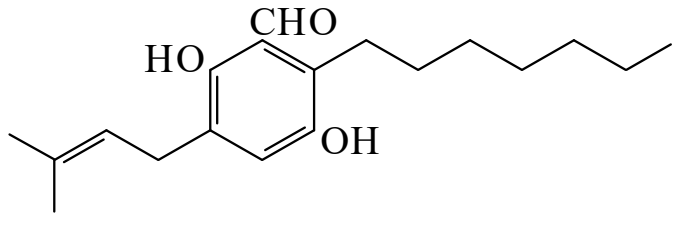
>>**Entry Name: 2-Heptyl-3,6-dihydroxy-5-prenylbenzaldehyde**
**Synonym(s):** 2-Heptyl-3,6-dihydroxy-5-(3-methyl-2-butenyl)benzaldehyde, 9CI. 6-Heptyl-3-(3-methyl-2-butenyl)gentisaldehyde, 9CI. **Flavoglaucin**




**CAS Registry Number:** 523-73-9

**Molecular Formula:** $C_{19}H_{28}O_3$
**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] $\lambda_{max}$ 236 (ε 70000); 274 (ε 7080); 394 (ε 4570) (MeOH) (Berdy) [neutral] $\lambda_{max}$ 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:**

Raistrick, H. *et al.*, *J.C.S.*, 1937, 80
Quilico, A. *et al.*, *Gazz. Chim. Ital.*, 1953, **83**, 754
Allen, J.K. *et al.*, *J.C.S. Perkin 1*, 1978, 152, *(biosynth)*
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)*