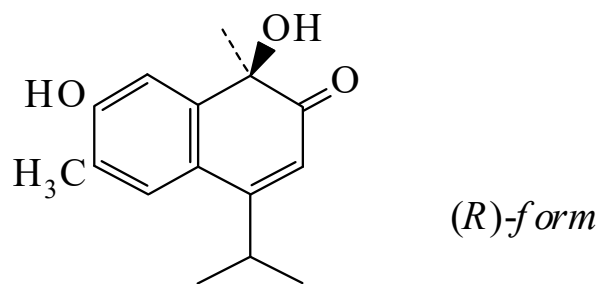




>>Entry Name: Lacinilene C

Synonym(s): 1,7-Dihydroxy-1,6-dimethyl-4-(1-methylethyl)-2(1*H*)-naphthalenone, 9Cl. 1,7-Dihydroxy-4-isopropyl-1,6-dimethyl-2(1*H*)-naphthalenone



CAS Registry Number: 41653-72-9

Molecular Formula: C₁₅H₁₈O₃

Molecular Weight: 246.305

Accurate Mass: 246.125595

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

Biological Source: Isol. from *Gossypium hirsutum* bracts

Melting Point: Mp 62-63°

UV: [acid] λ_{max} 250 (ε 11600); 339 (ε 5710) (H₂O) (Derep) [base] λ_{max} (solvent not reported) (Derep) [neutral] λ_{max} 249 (ε 11700); 341 (ε 6380) (MeOH) (Derep)

Other Data: The abs. config. has been detd.; the (*R*)-enantiomer is dextrorotatory but there is no indication in the literature as to which enantiomer occurs naturally

>>Derivative: Me ether

CAS Registry Number: 72843-51-7

Molecular Formula: C₁₆H₂₀O₃

Molecular Weight: 260.332

Accurate Mass: 260.141245

Percentage Composition: C 73.82%; H 7.74%; O 18.44%

Biological Source: From *Gossypium hirsutum*

Physical Description: Cryst. (CCl₄), also descr. as yellow oil

Melting Point: Mp 100-102°

Other Data: One natural sample is definitely racemic. Posn. of methylation not indicated

References:

Jeffs, P.W. *et al.*, *J.O.C.*, 1975, **40**, 2958

Stipanovic, R.D. *et al.*, *Phytochemistry*, 1975, **14**, 1041, (*ms, ir, uv, struct*)

McCormick, J.P. *et al.*, *J.O.C.*, 1984, **49**, 34, (*synth*)

Stipanovic, R.D. *et al.*, *J.O.C.*, 1986, **51**, 2500, (*abs config*)

Krohn, K. *et al.*, *J.O.C.*, 1998, **63**, 4140-4142, (*synth*)