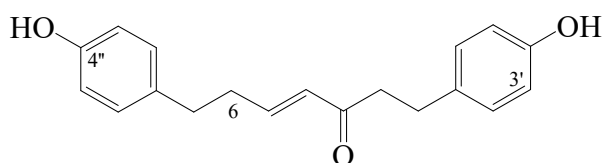




>>Entry Name: 1,7-Bis(4-hydroxyphenyl)-4-hepten-3-one, 9CI

ENTRY UNDER REVIEW



CAS Registry Number: 56973-65-0

Molecular Formula: C₁₉H₂₀O₃

Molecular Weight: 296.365

Accurate Mass: 296.141245

Percentage Composition: C 77.00%; H 6.80%; O 16.20%

Biological Source: Constit. of *Alnus japonica* and *Betula platyphylla* var. *japonica*

Physical Description: Oil

>>Derivative: Di-Me ether

Molecular Formula: C₂₁H₂₄O₃

Molecular Weight: 324.419

Accurate Mass: 324.172545

Percentage Composition: C 77.75%; H 7.46%; O 14.80%

Melting Point: Mp 50-51°

>>Derivative: 3'-Hydroxy

Synonym(s): 1-(3,4-Dihydroxyphenyl)-7-(4-hydroxyphenyl)-4-hepten-3-one

Molecular Formula: C₁₉H₂₀O₄

Molecular Weight: 312.365

Accurate Mass: 312.13616

Percentage Composition: C 73.06%; H 6.45%; O 20.49%

Biological Source: Constit. of *Alnus rubra*

Physical Description: Amorph. tan powder

>>Derivative: 6-Hydroxy

Synonym(s): 6-Hydroxy-1,7-bis(4-hydroxyphenyl)-4-hepten-3-one

Molecular Formula: C₁₉H₂₀O₄

Molecular Weight: 312.365

Accurate Mass: 312.13616

Percentage Composition: C 73.06%; H 6.45%; O 20.49%

Biological Source: Constit. of *Betula platyphylla* var. *japonica*

Physical Description: Oil

References:

Kubota, T. *et al.*, *Chem. Comm.*, 1975, 316, (*struct*)

Nomura, M. *et al.*, *Phytochemistry*, 1981, **20**, 1097, (*isol, ir, pmr*)

Fuchino, H. *et al.*, *Chem. Pharm. Bull.*, 1996, **44**, 1033, (*isol, uv, pmr, cmr*)

Chen, J. *et al.*, *Planta Med.*, 1998, **64**, 74-75, (*3'-hydroxy*)