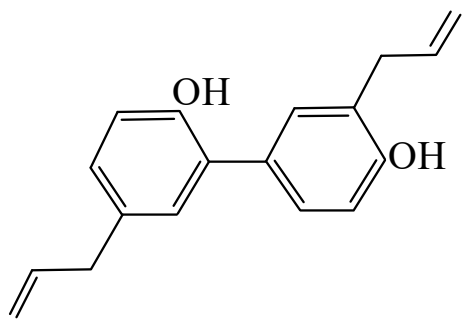
>>**Entry Name: 3',5-Di(2-propenyl)-2,4'-biphenyldiol**
Synonym(s): 3',3'-Diallyl-4,6'-dihydroxybiphenyl. **Honokiol**



CAS Registry Number: 35354-74-6
Type of Compound Code(s): VG2000 XA1150 XA1950 XA5200 VO1500

Molecular Formula: $C_{18}H_{18}O_2$
Molecular Weight: 266.339
Accurate Mass: 266.13068
Percentage Composition: C 81.17%; H 6.81%; O 12.01%
Biological Source: Constit. of *Magnolia* spp.
Use/Importance: Shows antimicrobial and muscle-relaxant activity. Antineoplastic agent
Melting Point: Mp 87.5°
Solubility: BERDY SOL: Poorly sol. hexane
Calculated Log P Data: Log P 4.84 (calc)
UV: [neutral] λ_{max} 295 (ε 7080) (MeOH) (Berdy) [base] λ_{max} 305 (ε 12590) (MeOH-NAOH) (Berdy)

>>**Derivative:** 4'-Me ether
Synonym(s): 3,5'-Diallyl-2'-hydroxy-4-methoxybiphenyl. 4'-*O*-Methylhonokiol

CAS Registry Number: 68592-15-4
Type of Compound Code(s): VO1500 VG2000
Molecular Formula: $C_{19}H_{20}O_2$
Molecular Weight: 280.366
Accurate Mass: 280.14633
Percentage Composition: C 81.40%; H 7.19%; O 11.41%
Biological Source: Isol. from *Magnolia grandiflora* and *Magnolia virginiana*
Physical Description: Pale yellow oil
Solubility: BERDY SOL: Poorly sol. hexane
UV: [neutral] λ_{max} 259 (ε 19900); 293 (ε 15800) (MeOH) (Berdy) [base] λ_{max} 262 (ε 19900) (MeOH-NAOH) (Berdy)

References:

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El-Feraly, F.S. *et al.*, *J. Nat. Prod.*, 1978, **41**, 442; *CA*, **90**, 36289y, *(deriv)*
Clark, A.M. *et al.*, *J. Pharm. Sci.*, 1981, **70**, 951, *(biochem)*
Watanabe, K. *et al.*, *Planta Med.*, 1983, **49**, 103, *(pharmacol)*
Nitao, J.K. *et al.*, *Phytochemistry*, 1991, **30**, 2193-2195, *(4'-Me ether)*
Fullmer, M.J. *et al.*, *Acta Cryst. C*, 1994, **50**, 1966, *(cryst struct)*