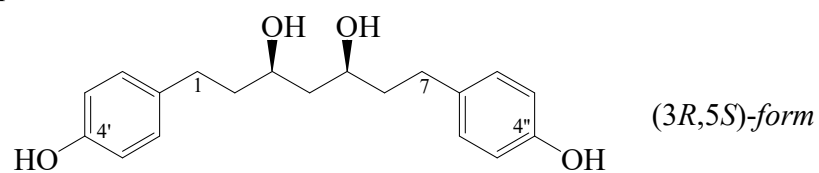




>>Entry Name: Hannokinol

Synonym(s): 1,7-Bis(4-hydroxyphenyl)-3,5-heptanediol, 9CI



CAS Registry Number: 79120-40-4

Related CAS Registry Numbers(s): 56973-64-9

Molecular Formula: C₁₉H₂₄O₄

Molecular Weight: 316.396

Accurate Mass: 316.16746

Percentage Composition: C 72.13%; H 7.65%; O 20.23%

>>Variant: (3R,5S)-form

Molecular Formula: C₁₉H₂₄O₄

Molecular Weight: 316.396

Accurate Mass: 316.16746

Percentage Composition: C 72.13%; H 7.65%; O 20.23%

>>Derivative: 5-O-β-D-Glucopyranoside

Synonym(s): Betulaplatoside Ib

Molecular Formula: C₂₅H₃₄O₉

Molecular Weight: 478.538

Accurate Mass: 478.220285

Percentage Composition: C 62.75%; H 7.16%; O 30.09%

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

Physical Description: Powder

Optical Rotation: $[\alpha]_D^{24} +4.4$ (MeOH)

>>Derivative: 4'-Deoxy, 1,2-didehydro(*E*-), 3-Me ether

Synonym(s): 1-(4-Hydroxyphenyl)-5-methoxy-7-phenyl-6-hepten-3-ol

Molecular Formula: C₂₀H₂₄O₃

Molecular Weight: 312.408

Accurate Mass: 312.172545

Percentage Composition: C 76.89%; H 7.74%; O 15.36%

Physical Description: Light brown amorph. solid

Optical Rotation: $[\alpha]_D +21.3$ (c, 0.13 in MeOH)

>>Derivative: 4'-Deoxy, 1,2-didehydro(*E*-), 3-Et ether

Synonym(s): 5-Ethoxy-1-(4-hydroxyphenyl)-7-phenyl-6-hepten-3-ol

Molecular Formula: C₂₁H₂₆O₃

Molecular Weight: 326.435

Accurate Mass: 326.188195

Percentage Composition: C 77.27%; H 8.03%; O 14.70%

Physical Description: Light yellow amorph. solid

Optical Rotation: $[\alpha]_D^{25} +49.5$ (c, 0.1 in MeOH)

>>Variant: (3S,5S)-form

Molecular Formula: C₁₉H₂₄O₄

Molecular Weight: 316.396

Accurate Mass: 316.16746

Percentage Composition: C 72.13%; H 7.65%; O 20.23%