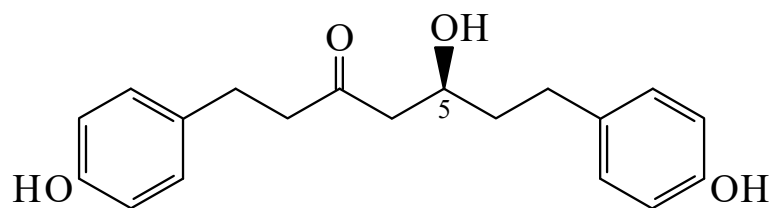




>>Entry Name: 5-Hydroxy-1,7-bis(4-hydroxyphenyl)-3-heptanone

Synonym(s): Platyphyllonol. Hannokinin. Platyphyllone



CAS Registry Number: 79120-39-1

Related CAS Registry Numbers(s): 58551-68-1

Molecular Formula: C₁₉H₂₂O₄

Molecular Weight: 314.38

Accurate Mass: 314.15181

Percentage Composition: C 72.59%; H 7.05%; O 20.36%

Biological Source: Isol. from *Alnus* spp. and *Betula platyphylla*

Physical Description: Needles

Melting Point: Mp 139-140° (131-142°)

>>Variant: (S)-form

CAS Registry Number: 41137-85-3

Molecular Formula: C₁₉H₂₂O₄

Molecular Weight: 314.38

Accurate Mass: 314.15181

Percentage Composition: C 72.59%; H 7.05%; O 20.36%

>>Derivative: 5-O-β-D-Xylopyranoside

Molecular Formula: C₂₄H₃₀O₈

Molecular Weight: 446.496

Accurate Mass: 446.19407

Percentage Composition: C 64.56%; H 6.77%; O 28.67%

Biological Source: Constit. of the bark of *Alnus rubra*

Optical Rotation: $[\alpha]_D^{28} -19.3$ (c, 0.2 in MeOH)

>>Derivative: 5-O-β-D-Glucopyranoside

Synonym(s): Platyphyllside

CAS Registry Number: 90803-80-8

Molecular Formula: C₂₅H₃₂O₉

Molecular Weight: 476.522

Accurate Mass: 476.204635

Percentage Composition: C 63.01%; H 6.77%; O 30.22%

Biological Source: Isol. from *Betula platyphylla*

>>Derivative: 5-O-[β-D-Apiofuranosyl-(1→2)-β-D-glucopyranoside]

CAS Registry Number: 146564-38-7

Molecular Formula: C₃₀H₄₀O₁₃

Molecular Weight: 608.638

Accurate Mass: 608.246895

Percentage Composition: C 59.20%; H 6.62%; O 34.17%

Biological Source: Constit. of *Betula pendula*

Optical Rotation: $[\alpha]_D -48$ (c, 1 in EtOH)