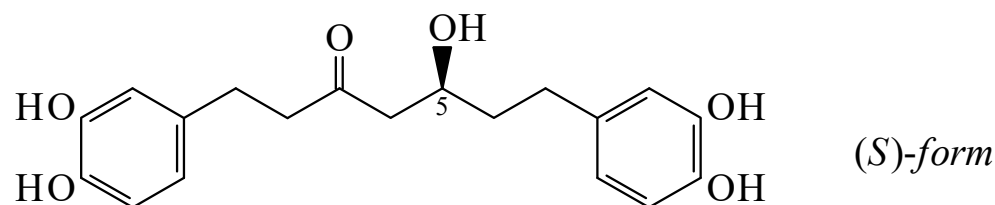




>>Entry Name: 1,7-Bis(3,4-dihydroxyphenyl)-5-hydroxy-3-heptanone

Synonym(s): Hirsutanonol



CAS Registry Number: 91998-02-6

Molecular Formula:  $C_{19}H_{22}O_6$

Molecular Weight: 346.379

Accurate Mass: 346.14164

Percentage Composition: C 65.88%; H 6.40%; O 27.71%

>>Variant: (S)-form

CAS Registry Number: 41137-86-4

Molecular Formula:  $C_{19}H_{22}O_6$

Molecular Weight: 346.379

Accurate Mass: 346.14164

Percentage Composition: C 65.88%; H 6.40%; O 27.71%

Biological Source: Constit. of *Alnus hirsuta* and *Alnus serrulatoides*

Physical Description: Oil

Optical Rotation:  $[\alpha]_D^{25} -1.7$  (c, 0.78 in MeOH)

>>Derivative: 5-O- $\beta$ -D-Xylopyranoside

Synonym(s): Oregonin

CAS Registry Number: 55303-93-0

Molecular Formula:  $C_{24}H_{30}O_{10}$

Molecular Weight: 478.495

Accurate Mass: 478.1839

Percentage Composition: C 60.24%; H 6.32%; O 33.44%

Biological Source: Constit. of *Alnus hirsuta*, *Alnus rubra* and other *Alnus* spp.

Physical Description: Pale yellow oil

Melting Point: Mp 53-56° (as tetra-Me ether)

Optical Rotation:  $[\alpha]_D^{25} -19.6$  (c, 13 in MeOH)

>>Derivative: 5-O- $\beta$ -D-Glucopyranoside

CAS Registry Number: 93915-36-7

Molecular Formula:  $C_{25}H_{32}O_{11}$

Molecular Weight: 508.521

Accurate Mass: 508.194465

Percentage Composition: C 59.05%; H 6.34%; O 34.61%

Biological Source: Constit. of *Alnus serrulatoides*

>>Derivative: 5-O-(6-O-Benzoyl- $\beta$ -D-glucopyranoside)

Synonym(s): Oregonoside A

Molecular Formula:  $C_{32}H_{36}O_{12}$

Molecular Weight: 612.629

Accurate Mass: 612.22068

Percentage Composition: C 62.74%; H 5.92%; O 31.34%

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

Physical Description: Amorph. powder

Optical Rotation:  $[\alpha]_D -7.5$  (c, 0.07 in MeOH)