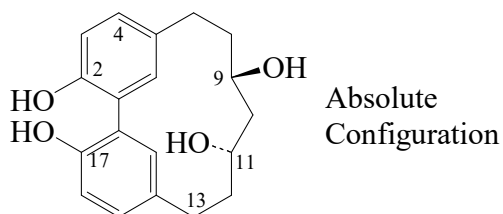




>>Entry Name: Alnusdiol

Synonym(s): Tricyclo[12.3.1.1^{2,6}]nonadeca-1(18),2,4,6(19),14,16-hexaene-3,9,11,17-tetrol, 9CI



CAS Registry Number: 56973-51-4

Molecular Formula: C₁₉H₂₂O₄

Molecular Weight: 314.38

Accurate Mass: 314.15181

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

General Statement: Abs. config. not determined for derivs. Numbering systems vary

Biological Source: Constit. of the wood of *Alnus japonica*

Melting Point: Mp 300°

Optical Rotation: [α]_D -46.7 (c, 0.52 in EtOH)

>>Derivative: Tetra-Ac

CAS Registry Number: 56973-67-2

Molecular Formula: C₂₇H₃₀O₈

Molecular Weight: 482.529

Percentage Composition: C 67.21%; H 6.27%; O 26.53%

Melting Point: Mp 159-162°

>>Derivative: 11-O-β-D-Glucopyranoside

Molecular Formula: C₂₅H₃₂O₉

Molecular Weight: 476.522

Accurate Mass: 476.204635

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

Biological Source: Constit. of *Betula maximowicziana*

Physical Description: Pale brown powder

Optical Rotation: [α]_D -26 (c, 0.8 in MeOH)

UV: [neutral] λ_{max} 250 (log ε 4.05); 254 (log ε 4.03); 299 (log ε 3.77) (MeOH)

>>Derivative: 9-Ketone

Synonym(s): Alnusonol

CAS Registry Number: 52330-12-8

Molecular Formula: C₁₉H₂₀O₄

Molecular Weight: 312.365

Accurate Mass: 312.13616

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

Biological Source: From *Alnus japonica*

Melting Point: Mp 171-173°

>>Derivative: 11-Deoxy

Synonym(s): Acerogenin K

CAS Registry Number: 150107-14-5

Molecular Formula: C₁₉H₂₂O₃

Molecular Weight: 298.381

Accurate Mass: 298.156895

Percentage Composition: C 76.48%; H 7.43%; O 16.09%

Biological Source: Constit. of *Acer nikoense* (Aceraceae)

Physical Description: Needles (MeOH)

Melting Point: Mp 238-240°

Other Data: Racemic