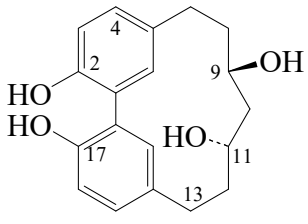
>>**Entry Name: Alnusdiol**
Synonym(s): Tricyclo[12.3.1.1^{2,6}]nonadeca-1(18),2,4,6(19),14,16-hexaene-3,9,11,17-tetrol, 9Cl



Absolute Configuration

CAS Registry Number: 56973-51-4

Molecular Formula: $C_{19}H_{22}O_4$
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: $[\alpha]_D$ –46.7 (c, 0.52 in EtOH)

>>**Derivative:** Tetra-Ac
CAS Registry Number: 56973-67-2
Molecular Formula: $C_{27}H_{30}O_8$
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: $C_{25}H_{32}O_9$
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: $[\alpha]_D$ –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: $C_{19}H_{20}O_4$
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: $C_{19}H_{22}O_3$
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