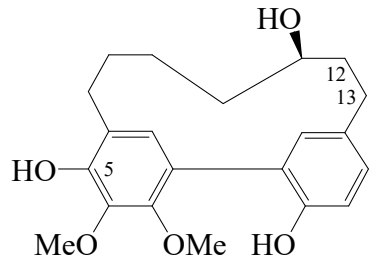
>>**Entry Name: Myricanol**
Synonym(s): 16,17-Dimethoxytricyclo[12.3.1.1^{2,6}]nonadeca-1(18),2,4,6(19),14,16-hexaene-3,9,15-triol, 9Cl



Absolute Configuration

CAS Registry Number: 33606-81-4

Molecular Formula: $C_{21}H_{26}O_5$
Molecular Weight: 358.433
Accurate Mass: 358.178025
Percentage Composition: C 70.37%; H 7.31%; O 22.32%
Biological Source: Constit. of the stem bark of *Myrica nagi*
Physical Description: Needles (Et_2O)
Melting Point: Mp 105-125°
Optical Rotation: $[\alpha]_D^{27.-}$–65.5 ($CHCl_3$)

>>**Derivative:** Ketone
Synonym(s): Myricanone

CAS Registry Number: 32492-74-3

Molecular Formula: $C_{21}H_{24}O_5$
Molecular Weight: 356.418
Accurate Mass: 356.162375
Percentage Composition: C 70.77%; H 6.79%; O 22.44%
Biological Source: Constit. of the stem bark of *Myrica nagi*
Physical Description: Cryst. (EtOH)
Melting Point: Mp 194-196°

>>**Derivative:** Ketone, 5-deoxy
Synonym(s): 5-Deoxymyricanone

CAS Registry Number: 110007-10-8

Molecular Formula: $C_{21}H_{24}O_4$
Molecular Weight: 340.418
Accurate Mass: 340.16746
Percentage Composition: C 74.09%; H 7.11%; O 18.80%
Biological Source: Isol. from bacterial galls of *Myrica rubra*
Physical Description: Amorph.

>>**Derivative:** Ketone, 12-hydroxy
Synonym(s): Hydroxymyricanone

Molecular Formula: $C_{21}H_{24}O_6$
Molecular Weight: 372.417
Accurate Mass: 372.15729
Percentage Composition: C 67.73%; H 6.50%; O 25.78%
Biological Source: Constit. of *Myrica gale* (Myricaceae)
Physical Description: Powder
Optical Rotation: $[\alpha]_D$ –6.1 (c, 0.5 in $CHCl_3$)
UV: [neutral] λ_{max} 213 (ε 35480); 257 (ε 10230); 294 (ε 6920) (MeOH)

>>**Derivative:** Ketone, 12-hydroxy, 5-*O*-β-D-glucopyranoside
Synonym(s): Myricatomentoside II

CAS Registry Number: 191999-63-0