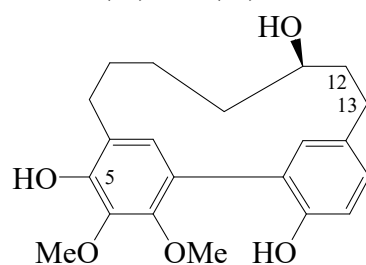




>>Entry Name: Myricanol

Synonym(s): 16,17-Dimethoxytricyclo[12.3.1.1<sup>2,6</sup>]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<sub>21</sub>H<sub>26</sub>O<sub>5</sub>

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<sub>2</sub>O)

Melting Point: Mp 105-125°

Optical Rotation:  $[\alpha]_D^{27} -65.5$  (CHCl<sub>3</sub>)

>>Derivative: Ketone

Synonym(s): Myricanone

CAS Registry Number: 32492-74-3

Molecular Formula: C<sub>21</sub>H<sub>24</sub>O<sub>5</sub>

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<sub>21</sub>H<sub>24</sub>O<sub>4</sub>

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<sub>21</sub>H<sub>24</sub>O<sub>6</sub>

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<sub>3</sub>)

UV: [neutral]  $\lambda_{\max}$  213 ( $\epsilon$  35480); 257 ( $\epsilon$  10230); 294 ( $\epsilon$  6920) (MeOH)

>>Derivative: Ketone, 12-hydroxy, 5-O- $\beta$ -D-glucopyranoside

Synonym(s): Myricatomentoside II

CAS Registry Number: 191999-63-0