



Physical Description: Needles (MeOH aq.)

Melting Point: Mp 148-150°

Optical Rotation: $[\alpha]_D +31.3$ (c, 0.5 in MeOH)

UV: [neutral] $\lambda_{\max}$ 213 (log ϵ 4.48); 249 (log ϵ 3.99); 295 (log ϵ 3.67) (MeOH)

>>**Derivative:** Ketone, 12-hydroxy, 5-Me ether

Synonym(s): Porson

CAS Registry Number: 56222-03-8

Molecular Formula: C₂₂H₂₆O₆

Molecular Weight: 386.444

Accurate Mass: 386.17294

Percentage Composition: C 68.38%; H 6.78%; O 24.84%

Biological Source: Constit. of *Myrica gale* (Myricaceae)

Physical Description: Needles (MeOH)

Melting Point: Mp 186-187°

Optical Rotation: $[\alpha]_D -1.8$ (c, 2.3 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 213 (ϵ 38900); 248 (ϵ 12300); 294 (ϵ 6025) (EtOH)

Other Data: Gross struct. revised (1995). Abs. config. not certain

>>**Derivative:** Ketone, 12-oxo, 5-Me ether

Synonym(s): 12-Dehydroporson

CAS Registry Number: 171438-25-8

Molecular Formula: C₂₂H₂₄O₆

Molecular Weight: 384.428

Accurate Mass: 384.15729

Percentage Composition: C 68.74%; H 6.29%; O 24.97%

Biological Source: Constit. of *Myrica gale* (Myricaceae)

Physical Description: Pale yellow needles (CH₂Cl₂/MeOH)

Melting Point: Mp 191-192°

UV: [neutral] $\lambda_{\max}$ 213 (ϵ 22910); 249 (ϵ 6760); 294 (ϵ 3310) (MeOH)

Other Data: Exists as α -diketo-tautomer

>>**Derivative:** 13-Oxo

Synonym(s): 13-Oxomyricanol

CAS Registry Number: 74517-63-8

Molecular Formula: C₂₁H₂₄O₆

Molecular Weight: 372.417

Accurate Mass: 372.15729

Percentage Composition: C 67.73%; H 6.50%; O 25.78%

Biological Source: Constit. of *Myrica nagi*

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 239.5-240°

Optical Rotation: $[\alpha]_D^{20} -36$ (c, 0.3 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 224 (log ϵ 4.23); 262 (log ϵ 4.24); 281 (sh) (log ϵ 4.01) (MeOH)

>>**Derivative:** 11-O- β -D-Xylopyranoside

Synonym(s): Myricanol 11-xyloside

Molecular Formula: C₂₆H₃₄O₉

Molecular Weight: 490.549

Accurate Mass: 490.220285

Percentage Composition: C 63.66%; H 6.99%; O 29.35%

Biological Source: Constit. of *Myrica arborea*

Physical Description: Needles (CH₂Cl₂)

Melting Point: Mp 229-231°

Optical Rotation: $[\alpha]_D^{22} -46$ (c, 0.55 in MeOH)

UV: [neutral] $\lambda_{\max}$ 214 (log ϵ 4.46); 260 (log ϵ 3.97); 298 (log ϵ 3.79) (MeOH)

>>**Derivative:** 5-O- β -D-Glucopyranoside

Synonym(s): Myricanol 5-glucoside