



CAS Registry Number: 146564-36-5

Molecular Formula: C₂₁H₃₂O₁₁

Molecular Weight: 460.477

Accurate Mass: 460.194465

Percentage Composition: C 54.78%; H 7.00%; O 38.22%

Biological Source: Constit. of *Betula pendula*

Optical Rotation: [α]_D -85.3 (c, 0.2 in EtOH)

>> **Derivative:** 4'-O-[α -L-Arabinofuranosyl-(1 $\rightarrow$ 6)- β -D-glucopyranoside]

Molecular Formula: C₂₁H₃₂O₁₁

Molecular Weight: 460.477

Accurate Mass: 460.194465

Percentage Composition: C 54.78%; H 7.00%; O 38.22%

Biological Source: Constit. of *Betula schmidtii*

Physical Description: Amorph. powder

Optical Rotation: [α]_D -83 (c, 1 in MeOH)

UV: [neutral] $\lambda_{\max}$ 220 (log ϵ 4.3); 273 (log ϵ 3.28) (MeOH)

>> **Derivative:** 2-O-[β -D-Xylopyranosyl-(1 $\rightarrow$ 6)- β -D-glucopyranoside]

Molecular Formula: C₂₁H₃₂O₁₁

Molecular Weight: 460.477

Accurate Mass: 460.194465

Percentage Composition: C 54.78%; H 7.00%; O 38.22%

Biological Source: Constit. of *Acer nikoense*

Physical Description: Powder

>> **Derivative:** 4'-Me ether, 2-O- β -D-glucopyranoside

Synonym(s): Methyl betuloside

CAS Registry Number: 109771-05-3

Molecular Formula: C₁₇H₂₆O₇

Molecular Weight: 342.388

Accurate Mass: 342.167855

Percentage Composition: C 59.64%; H 7.65%; O 32.71%

Biological Source: Constit. of *Abies webbiana*

Physical Description: Microneedles (MeOH)

Melting Point: Mp 155-156°

Optical Rotation: [α]_D -24 (c, 0.3 in MeOH)

>> **Variant:** (S)-form

CAS Registry Number: 59092-94-3

Molecular Formula: C₁₀H₁₄O₂

Molecular Weight: 166.219

Accurate Mass: 166.09938

Percentage Composition: C 72.26%; H 8.49%; O 19.25%

Biological Source: Constit. of *Acer nikoense* and *Taxus baccata*

Physical Description: Prisms (EtOH)

Melting Point: Mp 81-82°

Optical Rotation: [α]_D²⁵+21.5 (c, 0.3 in CHCl₃). [α]_D¹⁸+17 (c, 1.6 in EtOH)

>> **Derivative:** 2-O- β -D-Glucopyranoside

Synonym(s): Epirhododendrin

CAS Registry Number: 65982-27-6

Molecular Formula: C₁₆H₂₄O₇

Molecular Weight: 328.361

Accurate Mass: 328.152205

Percentage Composition: C 58.53%; H 7.37%; O 34.11%

Biological Source: Constit. of stem bark of *Acer nikoense*