



Melting Point: Mp 164-166° (153-154°)

Optical Rotation: $[\alpha]_{578} -64.6$ (MeOH)

>> **Derivative:** 7-*O*-[4-Hydroxycinnamoyl-($\rightarrow$ 6)-3-*O*-acetyl- β -D-glucopyranoside]

Molecular Formula: C₃₂H₃₀O₁₃

Molecular Weight: 622.581

Accurate Mass: 622.168645

Percentage Composition: C 61.74%; H 4.86%; O 33.41%

Biological Source: Constit. of *Blepharis ciliaris*

Melting Point: Mp 154-156°

UV: [neutral] $\lambda_{\max}$ 285 (); 313 () (MeOH)

>> **Derivative:** 7-*O*-[3,6-Bis-*O*-(4-hydroxycinnamoyl)- β -D-glucopyranoside]

Synonym(s): 3'',6''-Di-*p*-coumaroylprunin

CAS Registry Number: 84823-66-5

Molecular Formula: C₃₉H₃₄O₁₄

Molecular Weight: 726.689

Accurate Mass: 726.19486

Percentage Composition: C 64.46%; H 4.72%; O 30.82%

Biological Source: Isol. from *Mabea caudata* and *Anisomeles ovata*

Physical Description: Cryst. (CCl₄/Me₂CO)

Melting Point: Mp 190-192° (155-158°)

Optical Rotation: $[\alpha]_{578} -15.2$ (MeOH)

>> **Derivative:** 5,7-Di-*O*- β -D-glucopyranoside

CAS Registry Number: 5180-65-4

Molecular Formula: C₂₇H₃₂O₁₅

Molecular Weight: 596.541

Accurate Mass: 596.174125

Percentage Composition: C 54.36%; H 5.41%; O 40.23%

Biological Source: Isol. from leaves of *Crataegus phenophyrum*

Physical Description: Cryst. (EtOAc aq.)

Melting Point: Mp 179-181°

>> **Derivative:** 7-*O*-[β -D-Apiofuranosyl-(1 $\rightarrow$ 6)- β -D-glucopyranoside]

Synonym(s): Pyrroside B

CAS Registry Number: 116271-35-3

Molecular Formula: C₂₆H₃₀O₁₄

Molecular Weight: 566.515

Accurate Mass: 566.16356

Percentage Composition: C 55.12%; H 5.34%; O 39.54%

Biological Source: Isol. from the fronds of *Pyrrosia linearfolia*

>> **Derivative:** 7-*O*-[α -L-Arabinosyl-(1 $\rightarrow$?)]- β -D-glucopyranoside]

CAS Registry Number: 86828-01-5

Molecular Formula: C₂₆H₃₀O₁₄

Molecular Weight: 566.515

Accurate Mass: 566.16356

Percentage Composition: C 55.12%; H 5.34%; O 39.54%

Biological Source: Isol. from *Ceterach officinarum*

Physical Description: No phys. props. reported