



Accurate Mass: 552.22068
Percentage Composition: C 58.69%; H 6.57%; O 34.75%
Biological Source: Isol. from *Prunus padus*
Physical Description: Powder
Optical Rotation: $[\alpha]_{\text{D}}^{24} -38$ (c, 0.87 in MeOH)

>>**Derivative:** 3,3',5,5'-Tetra-Me ether, 4'-O- β -D-glucopyranoside
Synonym(s): Tortoside B

CAS Registry Number: 154418-16-3

Molecular Formula: C₂₈H₃₈O₁₃
Molecular Weight: 582.6
Accurate Mass: 582.231245
Percentage Composition: C 57.73%; H 6.57%; O 35.70%
Biological Source: Constit. of *Phellodendron amurense* and *Pedicularis torta*
Physical Description: Needles (H₂O)
Melting Point: Mp 201-203°
Optical Rotation: $[\alpha]_{\text{D}} -18.9$ (c, 1.1 in Py)

>>**Derivative:** 3,3',5,5'-Tetra-Me ether, 4'-O-[β -D-apiofuranosyl-(1 $\rightarrow$ 2)- β -D-glucopyranoside]

Molecular Formula: C₃₃H₄₆O₁₇
Molecular Weight: 714.716
Accurate Mass: 714.273505
Percentage Composition: C 55.46%; H 6.49%; O 38.06%
Biological Source: Constit. of *Albizzia julibrissin*
Physical Description: Amorph. powder
Optical Rotation: $[\alpha]_{\text{D}}^{25} -2.7$ (c, 0.4 in MeOH)

>>**Derivative:** 3,3',5,5'-Tetra-Me ether, 4,4'-di-O- α -L-rhamnopyranoside
Synonym(s): 5,5'-Dimethoxylariciresinol 4,4'-dirhamnoside

CAS Registry Number: 123564-47-6

Molecular Formula: C₃₄H₄₈O₁₆
Molecular Weight: 712.744
Accurate Mass: 712.29424
Percentage Composition: C 57.30%; H 6.79%; O 35.92%
Biological Source: Constit. of the leaves of *Parsonia laevigata*
Physical Description: Prisms (MeOH)
Melting Point: Mp 225-230°
Optical Rotation: $[\alpha]_{\text{D}}^{28} -120.7$ (c, 1.4 in MeOH)

>>**Derivative:** 3,3',5,5'-Tetra-Me ether, 9-O-(4-hydroxy-3-methoxycinnamoyl)(*E*-)
Synonym(s): 9-O-Feruloyl-5,5'-dimethoxylariciresinol

CAS Registry Number: 166322-14-1

Molecular Formula: C₃₂H₃₆O₁₁
Molecular Weight: 596.63
Accurate Mass: 596.225765
Percentage Composition: C 64.42%; H 6.08%; O 29.50%
Biological Source: Constit. of *Aralia bipinnata* and *Zanthoxylum ailanthoides*
Physical Description: Amorph. powder
Optical Rotation: $[\alpha]_{\text{D}}^{25} -27.7$ (c, 0.01 in MeOH)