



Juniperus horizontalis and *Podocarpus macrophylla*

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 287-289°. Mp 295-297 dec.°

UV: [neutral] λ_{max} 271 (ε 37600); 330 (ε 35000) (EtOH) (Berdy) [base] λ_{max} 287 (ε 50800); 378 (ε 16000) (EtOH-NaOH) (Berdy)

>> **Derivative:** 4',7"-Tri-Me ether

Synonym(s): Heveaflavone

CAS Registry Number: 23132-13-0

Molecular Formula: C₃₃H₂₄O₁₀

Molecular Weight: 580.547

Accurate Mass: 580.13695

Percentage Composition: C 68.27%; H 4.17%; O 27.56%

Biological Source: From leaves of the rubber tree *Hevea brasiliensis*

Physical Description: Yellow rods (Me₂CO)

Melting Point: Mp 300°

>> **Derivative:** 4"',7,7"-Tri-Me ether

Synonym(s): 4',5,5"-Trihydroxy-4"',7,7"-trimethoxy-3"',8-biflavone

CAS Registry Number: 67882-13-7

Molecular Formula: C₃₃H₂₄O₁₀

Molecular Weight: 580.547

Accurate Mass: 580.13695

Percentage Composition: C 68.27%; H 4.17%; O 27.56%

Biological Source: Constit. of *Araucaria excelsa*, *Taxus baccata* and *Thuja* spp.

Physical Description: Yellow solid

Melting Point: Mp 300°

Optical Rotation: [α]_D +4.7 (c, 0.1 in Py)

>> **Derivative:** 4',4"',7,7"-Tetra-Me ether

CAS Registry Number: 22783-08-0

Molecular Formula: C₃₄H₂₆O₁₀

Molecular Weight: 594.573

Accurate Mass: 594.1526

Percentage Composition: C 68.68%; H 4.41%; O 26.91%

Biological Source: Constit. of *Dacrydium cupressinum* ((±)-form) and *Araucaria cooki* ((+)-form)

Physical Description: Yellow prisms (2-propanol/CH₂Cl₂)

Melting Point: Mp 273°. Mp 292-294°

Optical Rotation: [α]