



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

Synonym(s): **Sciadopitysin**

CAS Registry Number: 521-34-6

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 *Sciadopitys verticillata*, *Torreya nucifera*, *Metasequoia glyptostroboides*, *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''-Tri-Me ether

Synonym(s): 4',5,5''-Trihydroxy-4'',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''-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]_D³⁴ +41 (EtOH/Py)

>>Derivative: 4',4'',5,7''-Penta-Me ether

Synonym(s): **Oliveriflavone**

CAS Registry Number: 107392-32-5

Molecular Formula: C₃₅H₂₈O₁₀

Molecular Weight: 608.6

Accurate Mass: 608.16825

Percentage Composition: C 69.07%; H 4.64%; O 26.29%

Biological Source: Isol. from the leaves of *Cephalotaxus oliveri*