



Molecular Formula: C₃₀H₂₀O₁₁
Molecular Weight: 556.481
Accurate Mass: 556.100565
Percentage Composition: C 64.75%; H 3.62%; O 31.63%
Biological Source: Isol. from *Plagiomnium cuspidatum*

>>Derivative: 2",3"-Dihydro, 3',5""-dihydroxy (S-)
Synonym(s): 2,3-Dihydro-3""',5'-dihydroxyamentoflavone

CAS Registry Number: 122475-59-6

Molecular Formula: C₃₀H₂₀O₁₂
Molecular Weight: 572.481
Accurate Mass: 572.09548
Percentage Composition: C 62.94%; H 3.52%; O 33.54%
Biological Source: Isol. from *Plagiomnium cuspidatum*

>>Derivative: 2,2",3,3"-Tetrahydro
Synonym(s): 4',4""',5,5",7,7"-Hexahydroxy-3""',8-biflavanone. **Tetrahydroamentoflavone.** 3',8"-Binaringenin

CAS Registry Number: 48236-96-0

Molecular Formula: C₃₀H₂₂O₁₀
Molecular Weight: 542.498
Accurate Mass: 542.1213
Percentage Composition: C 66.42%; H 4.09%; O 29.49%
Biological Source: Constit. of *Semecarpus prainii* and others
Physical Description: Powder
Melting Point: Mp 234-238°
Optical Rotation: [α]_D²³ -19 (c, 0.68 in MeOH)
Other Data: Has (2*S*,2"*S*)-config.

>>Derivative: 2,2",3,3"-Tetrahydro, 7-Me ether

CAS Registry Number: 99339-73-8

Molecular Formula: C₃₁H₂₄O₁₀
Molecular Weight: 556.525
Accurate Mass: 556.13695
Percentage Composition: C 66.90%; H 4.35%; O 28.75%
Biological Source: Constit. of *Ochna pumila*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 154°

>>Derivative: 2,2",3,3"-Tetrahydro, 7,7"-di-Me ether
Synonym(s): 4',4""',5,5"-Dihydroxy-7,7"-dimethoxy-3""',8-biflavanone

CAS Registry Number: 111897-14-4

Molecular Formula: C₃₂H₂₆O₁₀
Molecular Weight: 570.551
Accurate Mass: 570.1526
Percentage Composition: C 67.37%; H 4.59%; O 28.04%
Biological Source: Constit. of *Thuja gigantea* and *Thuja javanica*

>>Derivative: 2,2",3,3"-Tetrahydro, 4',7,7"-tri-Me ether
Synonym(s): **Podocarpusflavanone**

CAS Registry Number: 110382-42-8

Molecular Formula: C₃₃H₂₈O₁₀
Molecular Weight: 584.578
Accurate Mass: 584.16825
Percentage Composition: C 67.80%; H 4.83%; O 27.37%
Biological Source: Constit. of *Podocarpus taxifolia*
Physical Description: Light brown powder (MeOH)
Melting Point: Mp 236-238°
Other Data: Has (S)-config.