



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.