



Synonym(s): 3,3',5-Trihydroxy-4',7-dimethoxyflavanone. 3',5-Dihydroxy-4',7-dimethoxydihydroflavonol

CAS Registry Number: 79995-67-8

Molecular Formula: C₁₇H₁₆O₇

Molecular Weight: 332.309

Accurate Mass: 332.089605

Percentage Composition: C 61.44%; H 4.85%; O 33.70%

Biological Source: Isol. from *Blumea balsamifera* and *Lannea coromandelica*

Physical Description: Needles (EtOAc)

Melting Point: Mp 184-186°

Optical Rotation: $[\alpha]_D^{29} +32.8$ (c, 0.015 in MeOH)

>>**Derivative:** 7-*O*-(3-Methyl-2-butenyl)

Synonym(s): 3,3',4',5-Tetrahydroxy-7-prenyloxyflavanone. 3',4',5-Trihydroxy-7-prenyloxydihydroflavonol

CAS Registry Number: 78876-51-4

Molecular Formula: C₂₀H₂₀O₇

Molecular Weight: 372.374

Accurate Mass: 372.120905

Percentage Composition: C 64.51%; H 5.41%; O 30.08%

Biological Source: Isol. from *Pterocaulon virgatum*

>>**Variant:** (2*R*,3*S*)-form

Synonym(s): (–)-*cis*-form

CAS Registry Number: 114761-89-6

Molecular Formula: C₁₅H₁₂O₇

Molecular Weight: 304.256

Accurate Mass: 304.058305

Percentage Composition: C 59.22%; H 3.98%; O 36.81%

Biological Source: Constit. of *Pinus* sp.

Physical Description: Amorph.

Optical Rotation: $[\alpha]_D^{20} -59.5$ (c, 0.13 in Me₂CO)

>>**Derivative:** 3-*O*-β-D-Xylopyranoside

CAS Registry Number: 109430-54-8

Molecular Formula: C₂₀H₂₀O₁₁

Molecular Weight: 436.371

Accurate Mass: 436.100565

Percentage Composition: C 55.05%; H 4.62%; O 40.33%

Biological Source: Constit. of *Thujopsis dolabrata*

Physical Description: Amorph.

Optical Rotation: $[\alpha]_D^{21} -93.3$ (c, 0.89 in Me₂CO aq.)

>>**Derivative:** 3-*O*-β-D-Glucopyranoside

Synonym(s): Isoglucodistylin

CAS Registry Number: 83648-98-0

Molecular Formula: C₂₁H₂₂O₁₂

Molecular Weight: 466.398

Accurate Mass: 466.11113

Percentage Composition: C 54.08%; H 4.75%; O 41.17%

Biological Source: Constit. of *Taxillus kaempferi*

Physical Description: Amorph. powder

Melting Point: Mp 169-171°

Optical Rotation: $[\alpha]_D^{27} +25$ (c, 0.3 in EtOH)