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

CAS Registry Number: 79995-67-8

Molecular Formula: $C_{17}H_{16}O_7$
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: $C_{20}H_{20}O_7$
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: $C_{15}H_{12}O_7$
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 Me_2CO)

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

CAS Registry Number: 109430-54-8

Molecular Formula: $C_{20}H_{20}O_{11}$
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 Me_2CO aq.)

>>**Derivative:** 3-*O*-β-D-Glucopyranoside
Synonym(s): **Isoglucodistylin**

CAS Registry Number: 83648-98-0

Molecular Formula: $C_{21}H_{22}O_{12}$
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)