



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

**CAS Registry Number:** 79995-67-8

**Molecular Formula:** C<sub>17</sub>H<sub>16</sub>O<sub>7</sub>

**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:**  $[\alpha]_{\text{D}}^{29} +32.8$  (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<sub>20</sub>H<sub>20</sub>O<sub>7</sub>

**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<sub>15</sub>H<sub>12</sub>O<sub>7</sub>

**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:**  $[\alpha]_{\text{D}}^{20} -59.5$  (c, 0.13 in Me<sub>2</sub>CO)

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

**CAS Registry Number:** 109430-54-8

**Molecular Formula:** C<sub>20</sub>H<sub>20</sub>O<sub>11</sub>

**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:**  $[\alpha]_{\text{D}}^{21} -93.3$  (c, 0.89 in Me<sub>2</sub>CO aq.)

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

**Synonym(s):** Isoglucodistylin

**CAS Registry Number:** 83648-98-0

**Molecular Formula:** C<sub>21</sub>H<sub>22</sub>O<sub>12</sub>

**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:**  $[\alpha]_{\text{D}}^{27} +25$  (c, 0.3 in EtOH)