



**Optical Rotation:**  $[\alpha]_D^{19} +6.69$

>>Derivative: 3'-Me ether

**Synonym(s):** 3,4',5,7-Tetrahydroxy-3'-methoxyflavanone. 4',5,7-Trihydroxy-3'-methoxydihydroflavonol. **Dihydroisorhamnetin**

**CAS Registry Number:** 55812-91-4

**Molecular Formula:** C<sub>16</sub>H<sub>14</sub>O<sub>7</sub>

**Molecular Weight:** 318.282

**Accurate Mass:** 318.073955

**Percentage Composition:** C 60.38%; H 4.43%; O 35.19%

**Biological Source:** Isol. from *Dillenia indica*

**Physical Description:** Pale yellow cryst. (EtOH aq.)

**Melting Point:** Mp 230°

**Optical Rotation:**  $[\alpha]_D^{27} +25$  (EtOH)

>>Derivative: 3'-Me ether, 3-Ac

**Synonym(s):** 3-Acetoxy-4',5,7-trihydroxy-3'-methoxyflavanone

**CAS Registry Number:** 107390-27-2

**Molecular Formula:** C<sub>18</sub>H<sub>16</sub>O<sub>8</sub>

**Molecular Weight:** 360.32

**Accurate Mass:** 360.08452

**Percentage Composition:** C 60.00%; H 4.48%; O 35.52%

**Biological Source:** Constit. of *Baccharis* spp.

**Physical Description:** Cryst.

**Melting Point:** Mp 218°

>>Derivative: 4'-Me ether

**Synonym(s):** 3,3',5,7-Tetrahydroxy-4'-methoxyflavanone. 3',5,7-Trihydroxy-4'-methoxydihydroflavonol

**CAS Registry Number:** 70411-27-7

**Molecular Formula:** C<sub>16</sub>H<sub>14</sub>O<sub>7</sub>

**Molecular Weight:** 318.282

**Accurate Mass:** 318.073955

**Percentage Composition:** C 60.38%; H 4.43%; O 35.19%

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

**Physical Description:** Amorph. powder

**Melting Point:** Mp 181.5-182.5°

**Optical Rotation:**  $[\alpha]_D +20.4$  (c, 0.75 in MeOH)

>>Derivative: 4'-Me ether, 3-O-[ $\alpha$ -L-rhamnopyranosyl-(1→6)- $\beta$ -D-glucopyranoside]

**Synonym(s):** Anacheiloside

**CAS Registry Number:** 102904-44-9

**Molecular Formula:** C<sub>28</sub>H<sub>34</sub>O<sub>16</sub>

**Molecular Weight:** 626.567

**Accurate Mass:** 626.18469

**Percentage Composition:** C 53.67%; H 5.47%; O 40.86%

**Biological Source:** Isol. from *Anacheilium* sp.

>>Derivative: 7-Me ether

**Synonym(s):** 3,3',4',5-Tetrahydroxy-7-methoxyflavanone. 3',4',5-Trihydroxy-7-methoxydihydroflavonol. **Padmatin**. Dihydrorhamnetin

**CAS Registry Number:** 80453-44-7

**Molecular Formula:** C<sub>16</sub>H<sub>14</sub>O<sub>7</sub>

**Molecular Weight:** 318.282

**Accurate Mass:** 318.073955

**Percentage Composition:** C 60.38%; H 4.43%; O 35.19%

**Biological Source:** Isol. from *Artemisia* spp., *Inula viscosa*, *Prunus puddum* and *Trixis vautheri*

**Physical Description:** Cryst. (EtOH/CHCl<sub>3</sub>)

**Melting Point:** Mp 184-186°

**Optical Rotation:**  $[\alpha]_D +17.3$  (c, 1.1 in MeOH)