



Optical Rotation: $[\alpha]_{\text{D}}^{19} +6.69$

>>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: $\text{C}_{16}\text{H}_{14}\text{O}_7$

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: $[\alpha]_{\text{D}}^{27} +25$ (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: $\text{C}_{18}\text{H}_{16}\text{O}_8$

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: $\text{C}_{16}\text{H}_{14}\text{O}_7$

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: $[\alpha]_{\text{D}} +20.4$ (c, 0.75 in MeOH)

>>Derivative: 4'-Me ether, 3-O-[α -L-rhamnopyranosyl-(1→6)- β -D-glucopyranoside]

Synonym(s): Anacheiloside

CAS Registry Number: 102904-44-9

Molecular Formula: $\text{C}_{28}\text{H}_{34}\text{O}_{16}$

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: $\text{C}_{16}\text{H}_{14}\text{O}_7$

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_3)

Melting Point: Mp 184-186°

Optical Rotation: $[\alpha]_{\text{D}} +17.3$ (c, 1.1 in MeOH)