



Percentage Composition: C 65.62%; H 5.24%; O 29.14%

Biological Source: Constit. of *Boronia coerulescens*

Physical Description: Yellow needles (EtOAc/petrol)

Melting Point: Mp 145-150°

>>Derivative: 7-Me ether

Synonym(s): 3,4',5,6-Tetrahydroxy-7-methoxyflavone

CAS Registry Number: 111864-35-8

Molecular Formula: C₁₆H₁₂O₇

Molecular Weight: 316.267

Accurate Mass: 316.058305

Percentage Composition: C 60.76%; H 3.82%; O 35.41%

Biological Source: Isol. from *Balsamorhiza deltoidea* and *Balsamorhiza sagittata*

>>Derivative: 3,6-Di-Me ether

Synonym(s): 4',5,7-Trihydroxy-3,6-dimethoxyflavone

CAS Registry Number: 22697-65-0

Molecular Formula: C₁₇H₁₄O₇

Molecular Weight: 330.293

Accurate Mass: 330.073955

Percentage Composition: C 61.82%; H 4.27%; O 33.91%

Biological Source: Isol from *Baccharis* spp., *Gutierrezia* spp., *Stevia* spp. and other Asteraceae

Melting Point: Mp 231-232°

UV: [base] $\lambda_{\max}$ 275 (ϵ); 329 (ϵ); 395 (ϵ) (MeOH/NaOMe) (Derep) [neutral] $\lambda_{\max}$ 268 (ϵ); 340 (ϵ) (MeOH) (Derep)

>>Derivative: 3,6-Di-Me ether, 7-*O*- β -D-glucopyranoside

CAS Registry Number: 32214-79-2

Molecular Formula: C₂₃H₂₄O₁₂

Molecular Weight: 492.435

Accurate Mass: 492.12678

Percentage Composition: C 56.10%; H 4.91%; O 38.99%

Biological Source: Isol. from *Centaurea jacea*, *Parthenium* sp. and *Tetragonotheca* spp.

>>Derivative: 3,6-Di-Me ether, 4'-*O*-(3-methyl-2-butenyl)

Synonym(s): 5,7-Dihydroxy-3,6-dimethoxy-4'-prenyloxyflavone

Molecular Formula: C₂₂H₂₂O₇

Molecular Weight: 398.412

Accurate Mass: 398.136555

Percentage Composition: C 66.32%; H 5.57%; O 28.11%

Biological Source: Constit. of *Boronia coerulescens*

Physical Description: Yellow needles (EtOAc/petrol)

Melting Point: Mp 136°

>>Derivative: 3,7-Di-Me ether

Synonym(s): 4',5,6-Trihydroxy-3,7-dimethoxyflavone

CAS Registry Number: 56226-95-0

Molecular Formula: C₁₇H₁₄O₇

Molecular Weight: 330.293

Accurate Mass: 330.073955

Percentage Composition: C 61.82%; H 4.27%; O 33.91%

Biological Source: Isol from *Neurolaena*, *Pulicaria parthenium* and *Inula* spp.

Physical Description: Yellow cryst. (MeOH)

Melting Point: Mp 230-232°

>>Derivative: 4',6-Di-Me ether