



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 various Asteraceae and Labiatae
Physical Description: Pale yellow plates (MeOH)
Melting Point: Mp 285-287° (280°)
UV: [neutral] λ_{max} 255 (); 348 () (MeOH) (Berdy)

>>Derivative: 6,7-Di-Me ether, 4'-O-β-D-glucopyranoside

CAS Registry Number: 41087-98-3

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 *Cirsium lineare*
Physical Description: Pale yellow needles (MeOH)
Melting Point: Mp 215-217°

>>Derivative: 3',4',6'-Tri-Me ether

>>Derivative: 3',4',7-Tri-Me ether
Synonym(s): 5,6-Dihydroxy-3',4',7-trimethoxyflavone

CAS Registry Number: 25782-23-4

Molecular Formula: C₁₈H₁₆O₇
Molecular Weight: 344.32
Accurate Mass: 344.089605
Percentage Composition: C 62.79%; H 4.68%; O 32.53%
Biological Source: Isol. from *Thymbra* spp. and *Thymus piperella*
Physical Description: Light brown cryst. (CHCl₃/MeOH)
Melting Point: Mp 350°

>>Derivative: 3',6,7-Tri-Me ether
Synonym(s): 4',5-Dihydroxy-3',6,7-trimethoxyflavone. **Cirsilineol**. Anisomelin. Eupatrin. Fastigenin

CAS Registry Number: 41365-32-6

Molecular Formula: C₁₈H₁₆O₇
Molecular Weight: 344.32
Accurate Mass: 344.089605
Percentage Composition: C 62.79%; H 4.68%; O 32.53%
Biological Source: Isol. from various Asteraceae and Labiatae
Physical Description: Pale yellow needles (EtOH)
Melting Point: Mp 208-210° (203°)

>>Derivative: 3',6,7-Tri-Me ether, 4'-O-β-D-glucopyranoside

CAS Registry Number: 41087-97-2

Molecular Formula: C₂₄H₂₆O₁₂
Molecular Weight: 506.462
Accurate Mass: 506.14243
Percentage Composition: C 56.92%; H 5.17%; O 37.91%
Biological Source: Isol. from *Cirsium lineare*
Physical Description: Needles (MeOH)
Melting Point: Mp 158-159°

>>Derivative: 4',6,7-Tri-Me ether