



Accurate Mass: 286.084125

Percentage Composition: C 67.13%; H 4.93%; O 27.94%

Biological Source: Isol. from *Prunus cerasus*, *Prunus avium* and *Helichrysum glaciale*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 150°

Optical Rotation: $[\alpha]_{\text{D}} -56$

UV: [neutral] λ_{max} 292 (ϵ 14000); 345 () (MeOH) (Berdy) [base] λ_{max} 326 () (MeOH-NAOH) (Berdy)

>> **Derivative:** 8-Me ether, 7-O- β -D-glucopyranoside

CAS Registry Number: 99211-28-6

Molecular Formula: C₂₂H₂₄O₁₀

Molecular Weight: 448.426

Accurate Mass: 448.13695

Percentage Composition: C 58.93%; H 5.39%; O 35.68%

Biological Source: Occurs in *Prunus cerasus*

Physical Description: Cryst. (Me₂CO/MeOH)

Melting Point: Mp 214-216°

Optical Rotation: $[\alpha]_{\text{D}}^{29} -56.72$ (c, 1.15 in DMSO)

>> **Derivative:** 7,8-Di-Me ether

Synonym(s): 5-Hydroxy-7,8-dimethoxyflavanone

CAS Registry Number: 113981-49-0

Molecular Formula: C₁₇H₁₆O₅

Molecular Weight: 300.31

Accurate Mass: 300.099775

Percentage Composition: C 67.99%; H 5.37%; O 26.64%

Biological Source: Constit. of *Andrographis paniculata*

Physical Description: Cryst. (Me₂CO/petrol)

Melting Point: Mp 98-99°

>> **Derivative:** Tri-Me ether

Synonym(s): 5,7,8-Trimethoxyflavanone

CAS Registry Number: 69616-73-5

Molecular Formula: C₁₈H₁₈O₅

Molecular Weight: 314.337

Accurate Mass: 314.115425

Percentage Composition: C 68.78%; H 5.77%; O 25.45%

Biological Source: Isol. from *Popowia cauliflora* stems

Physical Description: Needles (Me₂CO/petrol). Cryst. (MeOH)

Melting Point: Mp 156-158°

Optical Rotation: $[\alpha]_{\text{D}}^{24} -100.6$ (c, 1 in CHCl₃)

>> **Derivative:** 8-Me ether, 7-O-(3-methyl-2-butenyl)

Synonym(s): 5-Hydroxy-8-methoxy-7-prenyloxyflavanone

CAS Registry Number: 122585-67-5

Molecular Formula: C₂₁H₂₂O₅

Molecular Weight: 354.402

Accurate Mass: 354.146725

Percentage Composition: C 71.17%; H 6.26%; O 22.57%

Biological Source: Isol. from *Helichrysum cymosum*

Physical Description: Gum