



Molecular Formula: C₃₀H₃₆O₁₆
Molecular Weight: 652.605
Accurate Mass: 652.20034
Percentage Composition: C 55.21%; H 5.56%; O 39.23%
Biological Source: Constit. of *Lysionotus pauciflorus*
UV: [neutral] λ_{max} 283 (); 330 () (MeOH)

>>**Derivative:** 4',7,8-Tri-Me ether
Synonym(s): 5,6-Dihydroxy-4',7,8-trimethoxyflavone

CAS Registry Number: 54288-57-2

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 *Stevia berlandieri* and *Thymus piperella*
Physical Description: No phys. props. reported
Other Data: Identity of compd. from *Stevia* sp. is uncertain

>>**Derivative:** 6,7,8-Tri-Me ether
Synonym(s): 4',5-Dihydroxy-6,7,8-trimethoxyflavone. **Xanthomicrol**

CAS Registry Number: 16545-23-6

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 *Ambrosia deltoidea*, *Baccharis* spp., *Citrus sudachi*, *Mentha piperita*, *Micromeria chamissonis*, *Sideritis* spp. and *Thymus* spp.
Physical Description: Yellow cryst. (MeOH)
Melting Point: Mp 227-230°
UV: [neutral] λ_{max} 282 (ε 18900); 296 (ε 18000); 336 (ε 24700) (MeOH) (Berdy) [base] λ_{max} 276 (ε 15100); 402 (ε 32500) (MeOH-NAOH) (Berdy)

>>**Derivative:** 4',5,6,8-Tetra-Me ether
Synonym(s): 7-Hydroxy-4',5,6,8-tetramethoxyflavone

CAS Registry Number: 73213-66-8

Molecular Formula: C₁₉H₁₈O₇
Molecular Weight: 358.347
Accurate Mass: 358.105255
Percentage Composition: C 63.68%; H 5.06%; O 31.25%
Biological Source: Isol. from *Helichrysum herbaceum*
Physical Description: Oil

>>**Derivative:** 4',6,7,8-Tetra-Me ether
Synonym(s): 5-Hydroxy-4',6,7,8-tetramethoxyflavone. **Gardenin B**. 5-*O*-Demethyltangeretin. 5-Desmethyltangeretin

CAS Registry Number: 2798-20-1

Molecular Formula: C₁₉H₁₈O₇
Molecular Weight: 358.347
Accurate Mass: 358.105255
Percentage Composition: C 63.68%; H 5.06%; O 31.25%
Biological Source: Constit. of the peel of *Citrus jambhiri*, from *Gardenia lucida*, *Brickellia* and *Mentha* spp.
Physical Description: Yellow needles (MeOH or C₆H₆/petrol)
Melting Point: Mp 180-181° (176-177°)
UV: [neutral] λ_{max} 217 (sh) (ε 26900); 289 (ε 21400); 328 (ε 24500) (EtOH) (Derep)