



Molecular Weight: 434.399
Accurate Mass: 434.1213
Percentage Composition: C 58.06%; H 5.10%; O 36.83%
Biological Source: Isol. from *Digitalis purpurea*, *Gutierrezia microcephala* and *Polygonum orientale*
Physical Description: Yellow needles
Melting Point: Mp 182-184°

>>Derivative: 3,3',4',5',6,8-Hexa-Me ether
Synonym(s): 5,7-Dihydroxy-3,3',4',5',6,8-hexamethoxyflavone

CAS Registry Number: 96887-18-2

Molecular Formula: C₂₁H₂₂O₁₀
Molecular Weight: 434.399
Accurate Mass: 434.1213
Percentage Composition: C 58.06%; H 5.10%; O 36.83%
Biological Source: From *Gutierrezia grandis* and *Gutierrezia microcephala*
Physical Description: Yellow needles (MeOH)
Melting Point: Mp 178-180°

>>Derivative: 3,4',5,5',6,7,8-Hepta-Me ether
Synonym(s): 3'-Hydroxy-3,4',5,5',6,7,8-heptamethoxyflavone

CAS Registry Number: 5244-28-0

Molecular Formula: C₂₂H₂₄O₁₀
Molecular Weight: 448.426
Accurate Mass: 448.13695
Percentage Composition: C 58.93%; H 5.39%; O 35.68%
Biological Source: Isol. from *Polygonum orientale*
Physical Description: Pale yellow cryst.
Melting Point: Mp 137-138°

>>Derivative: 3,3',4',5',6,7,8-Hepta-Me ether
Synonym(s): 5-Hydroxy-3,3',4',5',6,7,8-heptamethoxyflavone

CAS Registry Number: 95165-17-6

Molecular Formula: C₂₂H₂₄O₁₀
Molecular Weight: 448.426
Accurate Mass: 448.13695
Percentage Composition: C 58.93%; H 5.39%; O 35.68%
Biological Source: From *Gutierrezia microcephala*

>>Derivative: Octa-Me ether
Synonym(s): 3,3',4',5,5',6,7,8-Octamethoxyflavone. **Exoticin**

CAS Registry Number: 13364-94-8

Molecular Formula: C₂₃H₂₆O₁₀
Molecular Weight: 462.452
Accurate Mass: 462.1526
Percentage Composition: C 59.74%; H 5.67%; O 34.60%
Biological Source: Isol. from *Polygonum orientale* and *Murraya exotica*
Physical Description: Pale yellow needles
Melting Point: Mp 131-132°

>>Derivative: 3,4',5',8-Tetra-Me, 6,7-methylene ether
Synonym(s): 3',5-Dihydroxy-3,4',5',8-tetramethoxy-6,7-methylenedioxyflavone

CAS Registry Number: 82668-96-0