



CAS Registry Number: 40983-99-1

Molecular Formula: C₁₉H₁₈O₇

Molecular Weight: 358.347

Accurate Mass: 358.105255

Percentage Composition: C 63.68%; H 5.06%; O 31.25%

Biological Source: Isol. from *Citrus reticulata*

Physical Description: Needles (CHCl₃/hexane)

Melting Point: Mp 205-208°

>>>**Derivative:** 3',4',5,6-Tetra-Me ether, 7-O-[β-D-glucopyranosyl-(1→4)-β-D-glucopyranoside]

CAS Registry Number: 222025-50-5

Molecular Formula: C₃₁H₃₈O₁₇

Molecular Weight: 682.631

Accurate Mass: 682.210905

Percentage Composition: C 54.54%; H 5.61%; O 39.84%

Biological Source: Constit. of *Sphaeranthus indicus*

Physical Description: Needles (petrol)

Melting Point: Mp 238°

UV: [neutral] λ_{max} 274 (); 325 () (MeOH)

>>>**Derivative:** 3',4',6,7-Tetra-Me ether

Synonym(s): 5-Hydroxy-3',4',6,7-tetramethoxyflavone

CAS Registry Number: 21763-80-4

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 various Asteraceae, Labiatae and other plants

Melting Point: Mp 197-199° (189-190°)

UV: [neutral] λ_{max} 242 (ε 18600); 275 (ε 19050); 338 (ε 27500) (EtOH) (Derep)

>>>**Derivative:** 3',5,6,7-Tetra-Me ether

Synonym(s): 4'-Hydroxy-3',5,6,7-tetramethoxyflavone. **Ageconyflavone B**

CAS Registry Number: 51145-80-3

Molecular Formula: C₁₉H₁₈O₇

Molecular Weight: 358.347

Accurate Mass: 358.105255

Percentage Composition: C 63.68%; H 5.06%; O 31.25%

Biological Source: From *Anisomeles conyzoides*

Physical Description: Yellow solid, needles (EtOH)

Melting Point: Mp 206.5°

>>>**Derivative:** 4',5,6,7-Tetra-Me ether

Synonym(s): 3'-Hydroxy-4',5,6,7-tetramethoxyflavone

CAS Registry Number: 21764-09-0

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 *Orthosiphon stamineus*, *Clerodendranthus spicatus* and *Tanacetum santalinoides*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 179-180°