



Optical Rotation: $[\alpha]_{\text{D}}^{31} -101$ (c, 0.04 in MeOH)

Other Data: Incorrectly indexed in CA

>>Derivative: 2',8-Di-Me ether

Synonym(s): 5,7-Dihydroxy-2',8-dimethoxyflavone

CAS Registry Number: 95480-81-2

Molecular Formula: $\text{C}_{17}\text{H}_{14}\text{O}_6$

Molecular Weight: 314.294

Accurate Mass: 314.07904

Percentage Composition: C 64.97%; H 4.49%; O 30.54%

Biological Source: Isol. from *Scutellaria* spp.

Melting Point: Mp 231°

>>Derivative: 2',8-Di-Me ether, 7-*O*-β-D-glucuronoside

CAS Registry Number: 112408-70-5

Molecular Formula: $\text{C}_{23}\text{H}_{22}\text{O}_{12}$

Molecular Weight: 490.42

Accurate Mass: 490.11113

Percentage Composition: C 56.33%; H 4.52%; O 39.15%

Biological Source: Isol. from *Scutellaria indica*

Physical Description: Yellow needles (MeOH)

Melting Point: Mp 247 dec.°

Optical Rotation: $[\alpha]_{\text{D}}^{14} -45.9$ (c, 0.04 in MeOH)

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

Synonym(s): 2',5-Dihydroxy-7,8-dimethoxyflavone. **Skullcapflavone I.** Panicolin

CAS Registry Number: 41060-16-6

Molecular Formula: $\text{C}_{17}\text{H}_{14}\text{O}_6$

Molecular Weight: 314.294

Accurate Mass: 314.07904

Percentage Composition: C 64.97%; H 4.49%; O 30.54%

Biological Source: Isol. from *Scutellaria* spp. and *Andrographis paniculata*

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 254-255°

>>Derivative: 7,8-Di-Me ether, 2'-*O*-β-D-glucopyranoside

Molecular Formula: $\text{C}_{23}\text{H}_{24}\text{O}_{11}$

Molecular Weight: 476.436

Accurate Mass: 476.131865

Percentage Composition: C 57.98%; H 5.08%; O 36.94%

Biological Source: Constit. of *Andrographis paniculata*

Physical Description: Yellow cryst. (MeOH)

Melting Point: Mp 260-262°

UV: [neutral] λ_{max} 270 (); 312 (); 344 (sh) () (MeOH)

>>Derivative: 7,8-Di-Me ether, 2'-*O*-(2-*O*-cinnamoyl-β-D-glucopyranoside)(*E*-)

Molecular Formula: $\text{C}_{32}\text{H}_{30}\text{O}_{12}$

Molecular Weight: 606.582

Accurate Mass: 606.17373

Percentage Composition: C 63.36%; H 4.98%; O 31.65%

Biological Source: Constit. of *Andrographis serpyllifolia*

Physical Description: Amorph. yellow powder (MeOH)

Melting Point: Mp 196-197°

UV: [neutral] λ_{max} 268 (log ε 4.45); 300 (sh) (log ε 3.94); 348 (sh) (log ε 3.51) (MeOH)