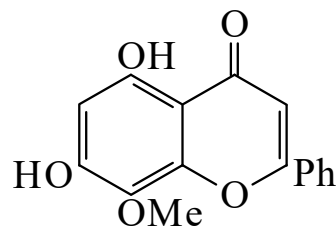




>>Entry Name: 5,7-Dihydroxy-8-methoxyflavone

Synonym(s): 5,7-Dihydroxy-8-methoxy-2-phenyl-4*H*-1-benzopyran-4-one, 9CI. **Wogonin**. Vogonin



CAS Registry Number: 632-85-9

Molecular Formula: C₁₆H₁₂O₅

Molecular Weight: 284.268

Accurate Mass: 284.068475

Percentage Composition: C 67.60%; H 4.25%; O 28.14%

Biological Source: Isol. from roots of *Scutellaria baicalensis* and from other plants

Use/Importance: Antibacterial agent, diuretic. Possesses antioxidant props.

Physical Description: Yellow needles (EtOH aq.)

Melting Point: Mp 203°

Calculated Log P Data: Log P 1.55 (calc)

UV: [neutral] λ_{max} 277 () (MeOH) (Berdy)

Hazard & Toxicity: Exp. reprod.effects

>>Derivative: 5-*O*-β-D-Glucopyranoside

CAS Registry Number: 80366-14-9

Molecular Formula: C₂₂H₂₂O₁₀

Molecular Weight: 446.41

Accurate Mass: 446.1213

Percentage Composition: C 59.19%; H 4.97%; O 35.84%

Biological Source: Isol. from *Scutellaria baicalensis*

>>Derivative: 7-*O*-β-D-Glucopyranoside

Molecular Formula: C₂₂H₂₂O₁₀

Molecular Weight: 446.41

Accurate Mass: 446.1213

Percentage Composition: C 59.19%; H 4.97%; O 35.84%

Biological Source: Isol. from *Scutellaria orientalis*

>>Derivative: 7-*O*-β-D-Glucuronoside

Synonym(s): **Wogonoside**. Oroxindin

CAS Registry Number: 51059-44-0

Molecular Formula: C₂₂H₂₀O₁₁

Molecular Weight: 460.393

Accurate Mass: 460.100565

Percentage Composition: C 57.39%; H 4.38%; O 38.23%

Biological Source: Isol. from *Scutellaria* spp. and *Holmskioldia sanguinea*

Physical Description: Yellow solid (CHCl₃)

Melting Point: Mp 210-216°

References: