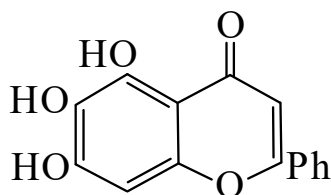




>>Entry Name: 5,6,7-Trihydroxyflavone

ENTRY UNDER REVIEW

Synonym(s): 5,6,7-Trihydroxy-2-phenyl-4*H*-1-benzopyran-4-one, 9Cl. **Baicalein**. Noroxylin



CAS Registry Number: 491-67-8

Molecular Formula: C₁₅H₁₀O₅

Molecular Weight: 270.241

Accurate Mass: 270.052825

Percentage Composition: C 66.67%; H 3.73%; O 29.60%

Biological Source: Isol. from *Scutellaria* spp. and other plants

Biological Use/Importance: Shows anti-HIV activity

Physical Description: Yellow or brown-yellow prisms (MeOH or EtOH)

Melting Point: Mp 223-226°. Mp 263-264 dec.°

Solubility: BERDY SOL: Sol. MeOH, Et₂O; poorly sol. H₂O, hexane

Calculated Log P Data: Log P 1.05 (calc)

UV: [neutral] λ_{max} 247 (ε 58800); 274 (ε 42669); 323 (ε 17780) (MeOH) (Berdy)

Aldrich: 46511-9

Fluka: 11712

Sigma: B7277

>>Derivative: 7-*O*-β-L-Rhamnofuranoside

Synonym(s): **Galeroside**. Baicalein 7-rhamnofuranoside

CAS Registry Number: 38533-37-8

Molecular Formula: C₂₁H₂₀O₉

Molecular Weight: 416.384

Accurate Mass: 416.110735

Percentage Composition: C 60.58%; H 4.84%; O 34.58%

Biological Source: Isol. from *Scutellaria galericulata*

>>Derivative: 6-*O*-β-D-Glucopyranoside

Synonym(s): **Tetuin**. Baicalein 6-glucoside

CAS Registry Number: 529-43-1

Molecular Formula: C₂₁H₂₀O₁₀

Molecular Weight: 432.383

Accurate Mass: 432.10565

Percentage Composition: C 58.34%; H 4.66%; O 37.00%

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

Synonym(s): **Oroxin A**. Baicalein 7-glucoside

CAS Registry Number: 57396-78-8

Molecular Formula: C₂₁H₂₀O₁₀

Molecular Weight: 432.383

Accurate Mass: 432.10565

Percentage Composition: C 58.34%; H 4.66%; O 37.00%

Biological Source: Constit. of *Scutellaria baicalensis*

Physical Description: Yellow cryst. + ½H₂O (MeOH)

Melting Point: Mp 222-223° (synthetic)

Other Data: The data for Oroxin A is in an inaccessible ref.