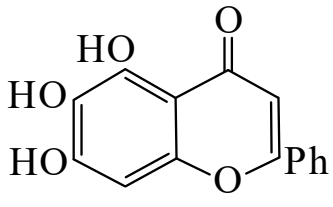
>>**Entry Name: 5,6,7-Trihydroxyflavone**
ENTRY UNDER REVIEW
Synonym(s): 5,6,7-Trihydroxy-2-phenyl-4*H*-1-benzopyran-4-one, 9Cl. **Baicalein.** Noroxylin



CAS Registry Number: 491-67-8

Molecular Formula: $C_{15}H_{10}O_5$
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, Et_2O; poorly sol. H_2O, 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: $C_{21}H_{20}O_9$
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: $C_{21}H_{20}O_{10}$
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: $C_{21}H_{20}O_{10}$
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. + $\frac{1}{2}H_2O$ (MeOH)
Melting Point: Mp 222-223° (synthetic)
Other Data: The data for Oroxin A is in an inaccessible ref.