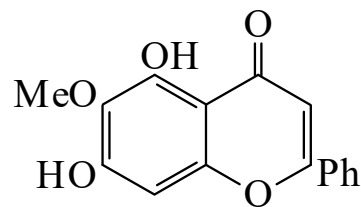




>>Entry Name: 5,7-Dihydroxy-6-methoxyflavone

Synonym(s): 5,7-Dihydroxy-6-methoxy-2-phenyl-4*H*-1-benzopyran-4-one, 9Cl. **Oroxylin A**



CAS Registry Number: 480-11-5

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 *Oroxylum indicum*, *Scutellaria baicalensis*, *Scutellaria rehderiana* and *Gomphrena martiana*

Biological Use/Importance: GABA receptor antagonist. Active against gram-positive bacteria

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 231-232° (219-220°)

UV: [neutral] λ_{max} 247 (ε 20900); 270 (ε 13490); 317 (ε 13180) (MeOH) (Berdy)

>>Derivative: 5-*O*-α-L-Rhamnopyranoside

CAS Registry Number: 163350-29-6

Molecular Formula: C₂₂H₂₂O₉

Molecular Weight: 430.41

Accurate Mass: 430.126385

Percentage Composition: C 61.39%; H 5.15%; O 33.46%

Biological Source: Constit. of the seeds of *Trichosanthes anguina*

Melting Point: Mp 327°

UV: [neutral] λ_{max} 248 (); 280 (); 317 (sh) () (MeOH)

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

CAS Registry Number: 36948-77-3

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 cretica* and *Scutellaria ovata*

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

Synonym(s): Oroxyloside

CAS Registry Number: 36948-76-2

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.

Melting Point: Mp 199-201°

>>Derivative: 7-*O*-[β-D-Glucopyranosyl-(1→3)-α-L-rhamnopyranoside]

CAS Registry Number: 168771-59-3

Molecular Formula: C₂₈H₃₂O₁₄

Molecular Weight: 592.552

Accurate Mass: 592.17921

Percentage Composition: C 56.76%; H 5.44%; O 37.80%

Biological Source: Constit. of *Eupatorium africanum* (Compositae)

References: