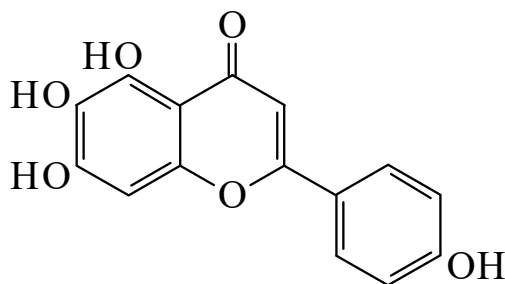




>>Entry Name: 4',5,6,7-Tetrahydroxyflavone

ENTRY UNDER REVIEW

Synonym(s): 5,6,7-Trihydroxy-2-(4-hydroxyphenyl)-4*H*-1-benzopyran-4-one, 9Cl. **Scutellarein**. 6-Hydroxyapigenin



CAS Registry Number: 529-53-3

Related CAS Registry Numbers(s): 28297-24-7 83088-04-4

Molecular Formula: C₁₅H₁₀O₆

Molecular Weight: 286.24

Accurate Mass: 286.04774

Percentage Composition: C 62.94%; H 3.52%; O 33.54%

Biological Source: Occurs in roots, stems and flowers of *Scutellaria* spp. Isol. from *Billbergia vittata*, *Pinguicula vulgaris*, leaves of *Clerodendrum phlomides* and *Clerodendrum serratum*, from the aerial parts of *Stachys inflata*, and from various other plants

Physical Description: Yellow leaflets (MeOH)

Melting Point: Mp 347-349°

>>Derivative: 4'-*O*-α-L-Arabinopyranoside

CAS Registry Number: 41383-43-1

Molecular Formula: C₂₀H₁₈O₁₀

Molecular Weight: 418.356

Accurate Mass: 418.09

Percentage Composition: C 57.42%; H 4.34%; O 38.24%

Biological Source: Isol. from *Clerodendrum nereifolium*

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

CAS Registry Number: 65876-68-8

Molecular Formula: C₂₀H₁₈O₁₀

Molecular Weight: 418.356

Accurate Mass: 418.09

Percentage Composition: C 57.42%; H 4.34%; O 38.24%

Biological Source: Isol. from *Juniperus communis*

>>Derivative: 6-*O*-β-D-Xylopyranoside, 7-*O*-α-L-rhamnoside

Synonym(s): **Triumboidin**

CAS Registry Number: 83531-16-2

Molecular Formula: C₂₆H₂₈O₁₄

Molecular Weight: 564.499

Accurate Mass: 564.14791

Percentage Composition: C 55.32%; H 5.00%; O 39.68%

Biological Source: Isol. from leaves of *Triumfetta rhomboidea*

Physical Description: Light yellow needles

Melting Point: Mp 220-222°