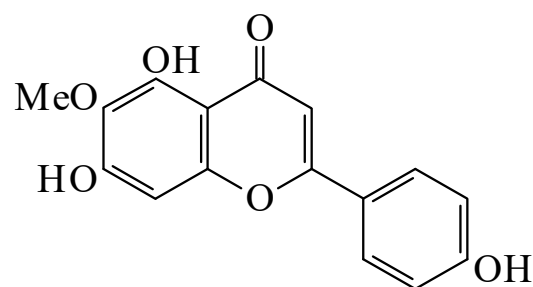




>>Entry Name: 4',5,7-Trihydroxy-6-methoxyflavone, 8Cl

Synonym(s): 5,7-Dihydroxy-2-(4-hydroxyphenyl)-6-methoxy-4*H*-1-benzopyran-4-one, 9Cl. **Hispidulin**. Dinatin. **Salvitin**‡



CAS Registry Number: 1447-88-7

Molecular Formula: C₁₆H₁₂O₆

Molecular Weight: 300.267

Accurate Mass: 300.06339

Percentage Composition: C 64.00%; H 4.03%; O 31.97%

Biological Source: Minor pigment in *Digitalis lanata* leaves. Also present in *Ambrosia hispida*, *Gaillardia fastigiata*, *Flourensia cernua*, *Scutellaria przewalskii* and many other plant spp.

Biological Use/Importance: Antineoplastic agent

Melting Point: Mp 304-305° (291-292°)

Calculated Log P Data: Log P 0.63 (calc)

>>Derivative: 7-*O*-Sulfate

CAS Registry Number: 110209-96-6

Molecular Formula: C₁₆H₁₂O₉S

Molecular Weight: 380.331

Accurate Mass: 380.020205

Percentage Composition: C 50.53%; H 3.18%; O 37.86%; S 8.43%

Biological Source: Isol. from *Liphiona scabra* and *Lippia nodiflora*

>>Derivative: 4'-*O*-Sulfate

CAS Registry Number: 111534-78-2

Molecular Formula: C₁₆H₁₂O₉S

Molecular Weight: 380.331

Accurate Mass: 380.020205

Percentage Composition: C 50.53%; H 3.18%; O 37.86%; S 8.43%

Biological Source: Isol. from *Lippia nodiflora*

>>Derivative: 4',7-Di-*O*-sulfate

CAS Registry Number: 111509-38-7

Molecular Formula: C₁₆H₁₂O₁₂S₂

Molecular Weight: 460.396

Accurate Mass: 459.97702

Percentage Composition: C 41.74%; H 2.63%; O 41.70%; S 13.93%

Biological Source: Isol. from *Lippia canescens* and *Lippia nodiflora*

>>Derivative: 7-*O*-α-L-Rhamnopyranoside

Synonym(s): Hispidulin 7-rhamnoside

Molecular Formula: C₂₂H₂₂O₁₀

Molecular Weight: 446.41

Accurate Mass: 446.1213

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

Biological Source: Constit. of *Picnomon acarna*

Physical Description: Amorph. powder