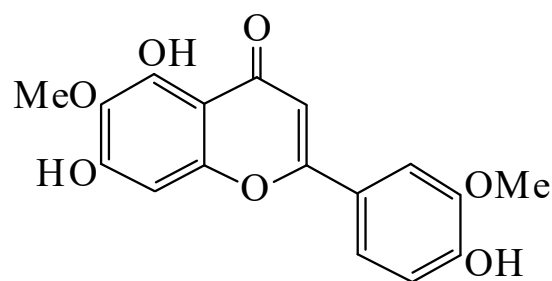




>>Entry Name: 4',5,7-Trihydroxy-3',6-dimethoxyflavone, 8Cl

Synonym(s): 5,7-Dihydroxy-2-(4-hydroxy-3-methoxyphenyl)-6-methoxy-4H-1-benzopyran-4-one, 9Cl. **Jaceosidin**



CAS Registry Number: 18085-97-7

Molecular Formula: C₁₇H₁₄O₇

Molecular Weight: 330.293

Accurate Mass: 330.073955

Percentage Composition: C 61.82%; H 4.27%; O 33.91%

Biological Source: Isol. from, *inter alia*, *Centaurea arguta*, *Digitalis lanata*, *Artemisia arctica*, *Liatris chapmanii*, *Liatris gracilis*, *Helichrysum viscosum* and others

Physical Description: Yellow needles (EtOH aq. or EtOAc)

Melting Point: Mp 227-229°

UV: [neutral] λ_{max} 213 (ε 12412); 273 (ε 5340); 274 (); 345 (ε 8328); 346 () (MeOH) (Berdy)

>>Derivative: 7-O-Sulfate

CAS Registry Number: 111509-46-7

Molecular Formula: C₁₇H₁₄O₁₀S

Molecular Weight: 410.358

Accurate Mass: 410.03077

Percentage Composition: C 49.76%; H 3.44%; O 38.99%; S 7.81%

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

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

CAS Registry Number: 111509-39-8

Molecular Formula: C₁₇H₁₄O₁₃S₂

Molecular Weight: 490.422

Accurate Mass: 489.987585

Percentage Composition: C 41.63%; H 2.88%; O 42.41%; S 13.08%

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

>>Derivative: 7-O-β-D-Glucopyranoside

Synonym(s): **Jaceoside**

CAS Registry Number: 25474-11-7

Molecular Formula: C₂₃H₂₄O₁₂

Molecular Weight: 492.435

Accurate Mass: 492.12678

Percentage Composition: C 56.10%; H 4.91%; O 38.99%

Biological Source: Isol. from *Centaurea jacea* and *Digitalis lanata*

Physical Description: Yellow needles (EtOH aq.)

Melting Point: Mp 226-227°

Optical Rotation: [α]_D²⁴ -69.7 (c, 1.56 in MeOH)

UV: [neutral] λ_{max} 274 (); 346 () (MeOH) (Berdy)

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

CAS Registry Number: 223692-52-2

Molecular Formula: C₂₃H₂₄O₁₁

Molecular Weight: 476.436

Accurate Mass: 476.131865

Percentage Composition: C 57.98%; H 5.08%; O 36.94%

Biological Source: Constit. of *Tridax procumbens*

References: