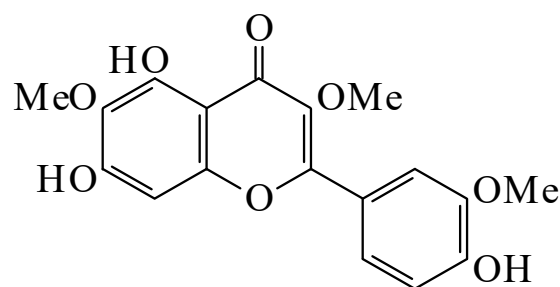




>>Entry Name: 4',5,7-Trihydroxy-3,3',6-trimethoxyflavone, 8Cl

Synonym(s): 5,7-Dihydroxy-2-(4-hydroxy-3-methoxyphenyl)-3,6-dimethoxy-4*H*-1-benzopyran-4-one, 9Cl. Quercetagetin 3,3',6-trimethyl ether. **Jaceidin**. Polycladin



CAS Registry Number: 10173-01-0

Molecular Formula: C₁₈H₁₆O₈

Molecular Weight: 360.32

Accurate Mass: 360.08452

Percentage Composition: C 60.00%; H 4.48%; O 35.52%

Biological Source: Found in buds of *Prunus avium*, in *Flourensia ilicifolia*, *Centaurea hyssopifolia* and other plants

Physical Description: Pale yellow needles (MeOH aq.)

Melting Point: Mp 130-135° (203°)

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

CAS Registry Number: 92446-23-6

Molecular Formula: C₁₈H₁₆O₁₁S

Molecular Weight: 440.384

Accurate Mass: 440.041335

Percentage Composition: C 49.09%; H 3.66%; O 39.96%; S 7.28%

Biological Source: Isol. from *Brickellia glutinosa*

>>Derivative: 5-*O*-β-D-Glucopyranoside

Synonym(s): Jaceidin 5-glucoside

CAS Registry Number: 151590-53-3

Molecular Formula: C₂₄H₂₆O₁₃

Molecular Weight: 522.462

Accurate Mass: 522.137345

Percentage Composition: C 55.17%; H 5.02%; O 39.81%

Biological Source: Constit. of *Eucryphia glutinosa*

Physical Description: Yellow powder

Melting Point: Mp 285-290°

Optical Rotation: $[\alpha]_D^{20} -89$ (c, 1 in Py)

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

Synonym(s): Jacein

CAS Registry Number: 35305-11-4

Molecular Formula: C₂₄H₂₆O₁₃

Molecular Weight: 522.462

Accurate Mass: 522.137345

Percentage Composition: C 55.17%; H 5.02%; O 39.81%

Biological Source: Constit. of *Centaurea jacea* and *Centaurea hyssopifolia*, *Desmanthodium* and *Tetragonotheca* spp.

Physical Description: Cryst.

Melting Point: Mp 205-207°

Optical Rotation: $[\alpha]_D^{20} -73.1$ (c, 1.48 in MeOH)