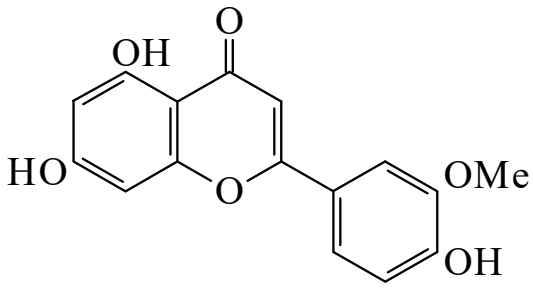
>>**Entry Name: 4',5,7-Trihydroxy-3'-methoxyflavone,** 8CI
Synonym(s): 5,7-Dihydroxy-2-(4-hydroxy-3-methoxyphenyl)-4*H*-1-benzopyran-4-one, 9CI. **Chrysoeriol.** Scoparol. Luteolin 3'-methyl ether



CAS Registry Number: 491-71-4
Related CAS Registry Numbers(s): 28709-98-0 38725-01-8 87861-40-3

Molecular Formula: $C_{16}H_{12}O_6$
Molecular Weight: 300.267
Accurate Mass: 300.06339
Percentage Composition: C 64.00%; H 4.03%; O 31.97%
Biological Source: Occurs in many plants in Asteraceae, Cyperaceae, Fabaceae, Hydrophyllaceae, Labiatae, Passifloraceae, Penaeaceae and Scrophulariaceae
Physical Description: Yellow needles (EtOH)
Melting Point: Mp 330-331°
Solubility: BERDY SOL: Sol. Py; fairly sol. EtOH, EtOAc
UV: [neutral] λ_{max} 264 (); 345 () (MeOH) (Berdy)
Other Data: The identity of Scoparol with Chrysoeriol is not confirmed

>>**Derivative:** 7-*O*-β-D-Xylopyranoside
Synonym(s): Chrysoeriol 7-xyloside

Molecular Formula: $C_{21}H_{20}O_{10}$
Molecular Weight: 432.383
Accurate Mass: 432.10565
Percentage Composition: C 58.34%; H 4.66%; O 37.00%
Biological Source: Isol. from *Carex nigromarginata*

>>**Derivative:** 4',7-Di-*O*-β-D-xylopyranoside
Synonym(s): Chrysoeriol 4',7-dixyloside

Molecular Formula: $C_{26}H_{28}O_{14}$
Molecular Weight: 564.499
Accurate Mass: 564.14791
Percentage Composition: C 55.32%; H 5.00%; O 39.68%
Biological Source: Isol. from *Carex nigromarginata*

>>**Derivative:** 4'-*O*-α-L-Rhamnopyranoside, 7-*O*-β-D-glucuronopyranoside
Synonym(s): Chrysoeriol 4'-rhamnoside 7-glucuronide

CAS Registry Number: 58970-79-9

Molecular Formula: $C_{28}H_{30}O_{16}$
Molecular Weight: 622.535
Accurate Mass: 622.15339
Percentage Composition: C 54.02%; H 4.86%; O 41.12%
Biological Source: Isol. from *Conocephalum conicum*