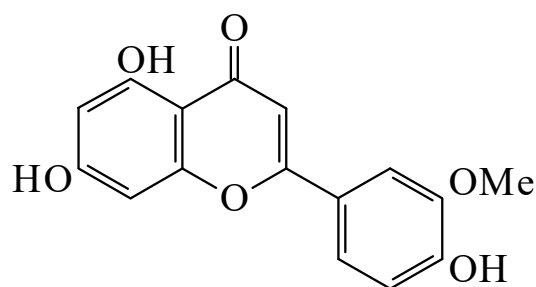




>>Entry Name: 4',5,7-Trihydroxy-3'-methoxyflavone, 8Cl

Synonym(s): 5,7-Dihydroxy-2-(4-hydroxy-3-methoxyphenyl)-4*H*-1-benzopyran-4-one, 9Cl. 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<sub>16</sub>H<sub>12</sub>O<sub>6</sub>

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<sub>max</sub> 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<sub>21</sub>H<sub>20</sub>O<sub>10</sub>

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<sub>26</sub>H<sub>28</sub>O<sub>14</sub>

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<sub>28</sub>H<sub>30</sub>O<sub>16</sub>

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*