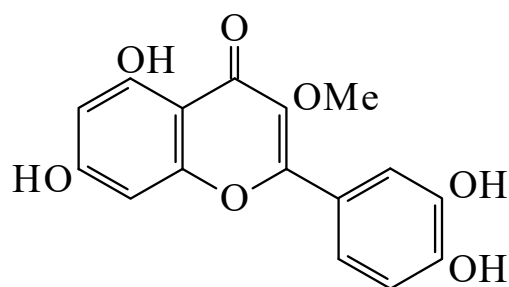




>>Entry Name: 3',4',5,7-Tetrahydroxy-3-methoxyflavone

Synonym(s): 2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-3-methoxy-4*H*-1-benzopyran-4-one, 9Cl. 3-*O*-Methylquercetin. Quercetin 3-methyl ether



CAS Registry Number: 1486-70-0

Molecular Formula: C₁₆H₁₂O₇

Molecular Weight: 316.267

Accurate Mass: 316.058305

Percentage Composition: C 60.76%; H 3.82%; O 35.41%

Biological Source: Constit. of *Artemisia transiliensis*, *Betula nigra*, *Flourensia cernua*, *Asplenium vivide*, *Chrysothamnus viscidiflorus*, *Tetragonotheca* spp. and numerous other plants

Physical Description: Yellow cryst.

Melting Point: Mp 273-275° (259°)

>>Derivative: 3'-*O*-β-D-Xylopyranoside

CAS Registry Number: 93373-16-1

Molecular Formula: C₂₁H₂₀O₁₁

Molecular Weight: 448.382

Accurate Mass: 448.100565

Percentage Composition: C 56.25%; H 4.50%; O 39.25%

Biological Source: Isol. from *Dacrycarpus dacrydioides* and *Neochilenia* spp.

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

Synonym(s): Stizoloside

CAS Registry Number: 53987-23-8

Molecular Formula: C₂₂H₂₂O₁₂

Molecular Weight: 478.409

Accurate Mass: 478.11113

Percentage Composition: C 55.23%; H 4.63%; O 40.13%

Biological Source: Isol. from *Stizolophus coronopifolius*

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 165-166°

Optical Rotation: $[\alpha]_D^{22} -116.5$ (c, 0.97 in EtOH)

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

Synonym(s): Transilin

CAS Registry Number: 26931-68-0

Molecular Formula: C₂₂H₂₂O₁₂

Molecular Weight: 478.409

Accurate Mass: 478.11113

Percentage Composition: C 55.23%; H 4.63%; O 40.13%

Biological Source: Constit. of the essential oil of *Asplenium transiliensis*

Melting Point: Mp 244-245°

Optical Rotation: $[\alpha]_D^{20} -72.7$ (c, 0.5 in MeOH)