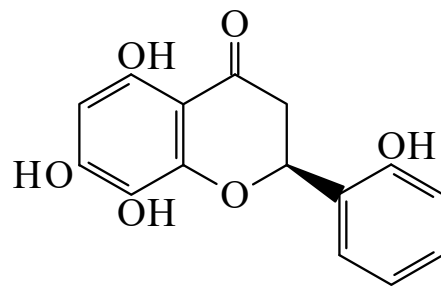




>>Entry Name: 2',5,7,8-Tetrahydroxyflavanone

Synonym(s): 2,3-Dihydro-5,7,8-trihydroxy-2-(2-hydroxyphenyl)-4H-1-benzopyran-4-one, 9Cl



Molecular Formula: C₁₅H₁₂O₆

Molecular Weight: 288.256

Accurate Mass: 288.06339

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

>>Variant: (S)-form

Molecular Formula: C₁₅H₁₂O₆

Molecular Weight: 288.256

Accurate Mass: 288.06339

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

>>Derivative: 7-Me ether

Synonym(s): 2',5,8-Trihydroxy-7-methoxyflavanone

CAS Registry Number: 115713-22-9

Molecular Formula: C₁₆H₁₄O₆

Molecular Weight: 302.283

Accurate Mass: 302.07904

Percentage Composition: C 63.57%; H 4.67%; O 31.76%

Biological Source: Constit. of rhizomes of *Iris spuria*

Physical Description: Cream needles (EtOAc/petrol)

Melting Point: Mp 204-205°

>>Derivative: 8-Me ether

Synonym(s): 2',5,7-Trihydroxy-8-methoxyflavanone

CAS Registry Number: 112408-71-6

Molecular Formula: C₁₆H₁₄O₆

Molecular Weight: 302.283

Accurate Mass: 302.07904

Percentage Composition: C 63.57%; H 4.67%; O 31.76%

Biological Source: Constit. of *Scutellaria indica*

Use/Importance: Cytotoxic agent

Physical Description: Needles (MeOH aq.)

Melting Point: Mp 197 dec.°

Optical Rotation: [α]_D²⁰ -28 (c, 1 in Py)

>>Derivative: 2',8-Di-Me ether

Synonym(s): 5,7-Dihydroxy-2',8-dimethoxyflavanone

CAS Registry Number: 100079-33-2

Molecular Formula: C₁₇H₁₆O₆

Molecular Weight: 316.31

Accurate Mass: 316.09469

Percentage Composition: C 64.55%; H 5.10%; O 30.35%

Biological Source: Constit. of *Scutellaria discolor*

Use/Importance: Cytotoxic agent

Physical Description: Needles (MeOH)

Melting Point: Mp 208 dec.°

Optical Rotation: [α]_D -73.2 (c, 1 in Py)