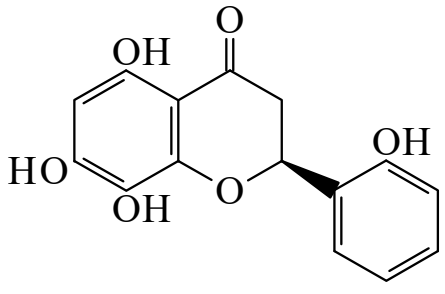
>>**Entry Name: 2',5,7,8-Tetrahydroxyflavanone**
Synonym(s): 2,3-Dihydro-5,7,8-trihydroxy-2-(2-hydroxyphenyl)-4*H*-1-benzopyran-4-one, 9CI



Molecular Formula: $C_{15}H_{12}O_6$
Molecular Weight: 288.256
Accurate Mass: 288.06339
Percentage Composition: C 62.50%; H 4.20%; O 33.30%

>>**Variant:** (*S*)-form

Molecular Formula: $C_{15}H_{12}O_6$
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: $C_{16}H_{14}O_6$
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: $C_{16}H_{14}O_6$
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: $[\alpha]_D^{20}$ –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: $C_{17}H_{16}O_6$
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: $[\alpha]_D$ –73.2 (c, 1 in Py)