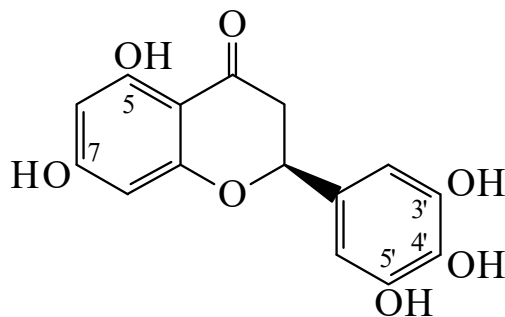




>>Entry Name: 3',4',5,5',7-Pentahydroxyflavanone

Synonym(s): 2,3-Dihydro-5,7-dihydroxy-2-(3,4,5-trihydroxyphenyl)-4H-1-benzopyran-4-one



Molecular Formula: C₁₅H₁₂O₇

Molecular Weight: 304.256

Accurate Mass: 304.058305

Percentage Composition: C 59.22%; H 3.98%; O 36.81%

>>Variant: (S)-form

CAS Registry Number: 81398-31-4

Molecular Formula: C₁₅H₁₂O₇

Molecular Weight: 304.256

Accurate Mass: 304.058305

Percentage Composition: C 59.22%; H 3.98%; O 36.81%

Biological Source: Isol. from bracts of *Helichrysum bracteatum*, flowers of *Verbena hybrida* and leaf exudate of *Notholaena lemmonii*

Physical Description: No phys. props. reported

>>Derivative: 3'-O-β-D-Glucopyranoside

Synonym(s): Plantagoside

CAS Registry Number: 78708-33-5

Molecular Formula: C₂₁H₂₂O₁₂

Molecular Weight: 466.398

Accurate Mass: 466.11113

Percentage Composition: C 54.08%; H 4.75%; O 41.17%

Biological Source: Isol. from *Plantago major* var. *japonica*

Physical Description: Dimorphic needles + ½H₂O (MeOH)

Melting Point: Mp 208-211°. Mp 241-243° (dimorph.)

Optical Rotation: [α]_D²⁵ -44.4 (c, 0.61 in MeOH)

>>Derivative: 3',7-Di-Me ether

Synonym(s): 3',4',5-Trihydroxy-5',7-dimethoxyflavanone

CAS Registry Number: 92585-20-1

Molecular Formula: C₁₇H₁₆O₇

Molecular Weight: 332.309

Accurate Mass: 332.089605

Percentage Composition: C 61.44%; H 4.85%; O 33.70%

Biological Source: Isol. from leaf resin of *Hazardia squarrosa* var. *grindeliodes*

Physical Description: No phys. props. reported

>>Derivative: 3',5'-Di-Me ether

Synonym(s): 4',5,7-Trihydroxy-3',5'-dimethoxyflavanone

CAS Registry Number: 146099-70-9

Molecular Formula: C₁₇H₁₆O₇

Molecular Weight: 332.309

Accurate Mass: 332.089605

Percentage Composition: C 61.44%; H 4.85%; O 33.70%

Biological Source: Constit. of *Artemisia subdigitata*