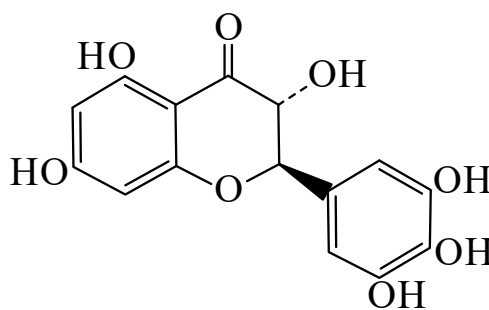




>>Entry Name: 3,3',4',5,5',7-Hexahydroxyflavanone

Synonym(s): 2,3-Dihydro-3,5,7-trihydroxy-2-(3,4,5-trihydroxyphenyl)-4*H*-1-benzopyran-4-one, 9Cl. **Ampelopsin**†. Ampeloptin. Dihydromyricetin



Related CAS Registry Numbers(s): 87338-96-3

Molecular Formula: C₁₅H₁₂O₈

Molecular Weight: 320.255

Accurate Mass: 320.05322

Percentage Composition: C 56.26%; H 3.78%; O 39.97%

>>Variant: (2*R*,3*R*)-form

Synonym(s): *trans*-form

CAS Registry Number: 27200-12-0

Molecular Formula: C₁₅H₁₂O₈

Molecular Weight: 320.255

Accurate Mass: 320.05322

Percentage Composition: C 56.26%; H 3.78%; O 39.97%

Biological Source: Isol. from *Indisia bijuga*, *Soymida febrifuga*, *Rhododendron* spp., flowers of *Eugenia jambolana*, *Leptarrhena pyrofolia*, *Mahonia siamensis*, *Rhamnus pallasii*, *Cedrus deodara*, *Heuchera villosa*, *Adenantha*, *Ampelopsis*, *Cercidiphyllum* and *Pinus* spp.

Physical Description: Needles (H₂O)

Melting Point: Mp 245-246°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +41.7$

Other Data: (2*R*,3*R*)-abs. config. assumed in most cases, opt. rotns. not reported

>>Derivative: 3-*O*- α -L-Rhamnopyranoside

Synonym(s): Dihydromyricetin 3-rhamnoside

CAS Registry Number: 80443-12-5

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 *Catha edulis* and *Glycoxylon huberi*

Physical Description: Needles (MeOH aq.)

Melting Point: Mp 192-195°

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

CAS Registry Number: 82181-87-1

Molecular Formula: C₂₁H₂₂O₁₃

Molecular Weight: 482.397

Accurate Mass: 482.106045

Percentage Composition: C 52.29%; H 4.60%; O 43.12%

Biological Source: Isol. from *Semecarpus vitiensis*

>>Derivative: 4'-*O*- β -D-Glucopyranoside

CAS Registry Number: 87314-53-2

Molecular Formula: C₂₁H₂₂O₁₃

Molecular Weight: 482.397

Accurate Mass: 482.106045

Percentage Composition: C 52.29%; H 4.60%; O 43.12%

Biological Source: Constit. of *Petunia hybrida*