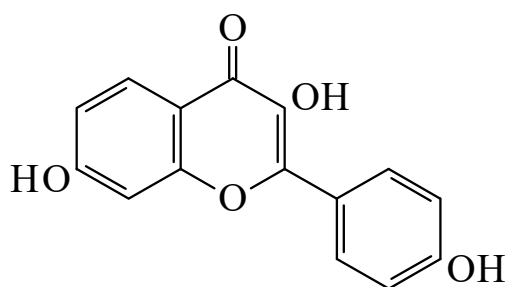




>>Entry Name: 3,4',7-Trihydroxyflavone

Synonym(s): 3,7-Dihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one. 4',7-Dihydroxyflavonol. **Resokaempferol**. 5-Deoxykaempferol



CAS Registry Number: 2034-65-3

Molecular Formula: C₁₅H₁₀O₅

Molecular Weight: 270.241

Accurate Mass: 270.052825

Percentage Composition: C 66.67%; H 3.73%; O 29.60%

Biological Source: Isol. from *Schinopsis lorentzii*, *Cicer arietinum*, *Rhus succedanea* and others

Use/Importance: Used for fluorimetric detn. of Th

Physical Description: Light yellow needles (EtOH or AcOH aq.)

Melting Point: Mp 310° (304-306°)

>>Derivative: 3-O-β-D-Glucopyranoside

Synonym(s): Resokaempferol 3-glucoside

Molecular Formula: C₂₁H₂₀O₁₀

Molecular Weight: 432.383

Accurate Mass: 432.10565

Percentage Composition: C 58.34%; H 4.66%; O 37.00%

Biological Source: Isol. from *Baptisia lecontii*

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

Synonym(s): Resokaempferol 4'-glucoside

CAS Registry Number: 24502-04-3

Molecular Formula: C₂₁H₂₀O₁₀

Molecular Weight: 432.383

Accurate Mass: 432.10565

Percentage Composition: C 58.34%; H 4.66%; O 37.00%

Biological Source: Isol. from *Trifolium subterraneum*

>>Derivative: 7-O-β-D-Glucopyranoside

Synonym(s): Resokaempferol 7-glucoside

CAS Registry Number: 16290-10-1

Molecular Formula: C₂₁H₂₀O₁₀

Molecular Weight: 432.383

Accurate Mass: 432.10565

Percentage Composition: C 58.34%; H 4.66%; O 37.00%

Biological Source: Isol. from *Baptisia lecontii*

>>Derivative: 7-O-Rutinoside

Synonym(s): Resokaempferol 7-rutinoside

Molecular Formula: C₂₇H₃₀O₁₄

Molecular Weight: 578.526

Accurate Mass: 578.16356

Percentage Composition: C 56.06%; H 5.23%; O 38.72%

Biological Source: Isol. from *Baptisia lecontii*