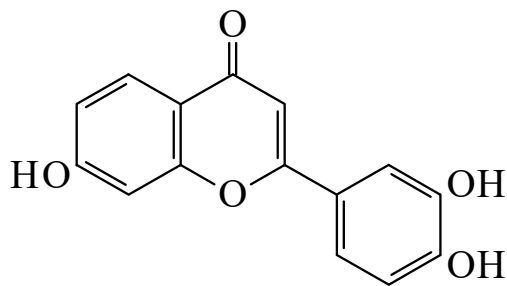




>>Entry Name: 3',4',7-Trihydroxyflavone

Synonym(s): 2-(3,4-Dihydroxyphenyl)-7-hydroxy-4H-1-benzopyran-4-one



CAS Registry Number: 2150-11-0

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 the Leguminosae, e.g. *Trifolium* spp. and other plant spp.

Physical Description: Yellow needles (MeOH/CHCl₃)

Melting Point: Mp 331-332° (318-322° dec.)

>>Derivative: 7-O-β-D-Glucopyranoside

CAS Registry Number: 24502-03-2

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* and *Baptisia lecontii*

Physical Description: Pale yellow needles (EtOH aq.)

Melting Point: Mp 190-191°

>>Derivative: 7-O-β-D-Galactopyranoside

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 the leaves of *Callistemon* spp.

>>Derivative: 7-O-β-D-Glucuronopyranoside

CAS Registry Number: 83086-30-0

Molecular Formula: C₂₁H₁₈O₁₁

Molecular Weight: 446.367

Accurate Mass: 446.084915

Percentage Composition: C 56.51%; H 4.06%; O 39.43%

Biological Source: Isol. from *Medicago arabica*

>>Derivative: 7-O-[α-L-Rhamnopyranosyl-(1→6)-β-D-glucopyranoside]

CAS Registry Number: 27576-42-7

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 perfoliata*