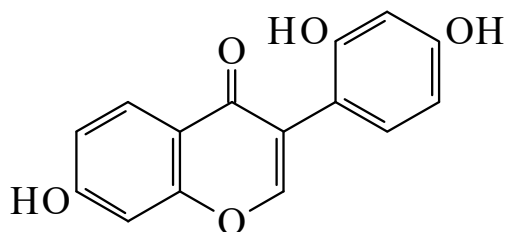




>>Entry Name: **2',4',7-Trihydroxyisoflavone**

Synonym(s): 3-(2,4-Dihydroxyphenyl)-7-hydroxy-4*H*-1-benzopyran-4-one, 9Cl. 2'-Hydroxydaidzein



CAS Registry Number: 7678-85-5

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 pods of *Phaseolus vulgaris* and *Phaseolus lunatus*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 275 dec.° (synthetic)

>>Derivative: 4',7-Di-*O*-β-D-glucopyranoside

CAS Registry Number: 88048-22-0

Molecular Formula: C₂₇H₃₀O₁₅

Molecular Weight: 594.525

Accurate Mass: 594.158475

Percentage Composition: C 54.55%; H 5.09%; O 40.37%

Biological Source: Stress metab. from cell suspension cultures of *Vigna angularis*

>>Derivative: 2'-Me ether

Synonym(s): 4',7-Dihydroxy-2'-methoxyisoflavone. **Theralin.** Teralin

CAS Registry Number: 56581-76-1

Molecular Formula: C₁₆H₁₂O₅

Molecular Weight: 284.268

Accurate Mass: 284.068475

Percentage Composition: C 67.60%; H 4.25%; O 28.14%

Biological Source: Isol. from leaves of *Thermopsis alterniflora*

Physical Description: Dark-yellow cryst. (MeOH)

Melting Point: Mp 275°

>>Derivative: 4'-Me ether

Synonym(s): 2',7-Dihydroxy-4'-methoxyisoflavone. **Xenognosin B.** 2'-Hydroxyformononetin

CAS Registry Number: 1890-99-9

Molecular Formula: C₁₆H₁₂O₅

Molecular Weight: 284.268

Accurate Mass: 284.068475

Percentage Composition: C 67.60%; H 4.25%; O 28.14%

Biological Source: Isol. from *Trifolium repens*, *Viola caducifolia*, *Viola multinervia* and *Astragalus* spp.

Physical Description: Cryst. (CHCl₃/MeOH)

Melting Point: Mp 215-217°