



CAS Registry Number: 20633-67-4

Molecular Formula: C₂₂H₂₂O₁₀

Molecular Weight: 446.41

Accurate Mass: 446.1213

Percentage Composition: C 59.19%; H 4.97%; O 35.84%

Biological Source: Isol. from *Baptisia* and *Thermopsis* spp.

>> **Derivative:** 4'-Me ether, 7-*O*-β-D-galactopyranoside

Synonym(s): Calycosin 7-galactoside

CAS Registry Number: 114272-30-9

Molecular Formula: C₂₂H₂₂O₁₀

Molecular Weight: 446.41

Accurate Mass: 446.1213

Percentage Composition: C 59.19%; H 4.97%; O 35.84%

Biological Source: Isol. from *Trifolium pratense*

>> **Derivative:** 4'-Me ether, 7-*O*-[α-L-rhamnopyranosyl-(1→?)-β-D-glucopyranoside]

Molecular Formula: C₂₈H₃₂O₁₄

Molecular Weight: 592.552

Accurate Mass: 592.17921

Percentage Composition: C 56.76%; H 5.44%; O 37.80%

Biological Source: Isol. from *Baptisia* spp.

>> **Derivative:** 4'-Me ether, 7-*O*-(3-methyl-2-butenyl)

Synonym(s): 3'-Hydroxy-4'-methoxy-7-prenyloxyisoflavone

CAS Registry Number: 82345-38-8

Molecular Formula: C₂₁H₂₀O₅

Molecular Weight: 352.386

Accurate Mass: 352.131075

Percentage Composition: C 71.58%; H 5.72%; O 22.70%

Biological Source: Isol. from *Calopogonium mucunoides*

Physical Description: Light yellow cryst. (C₆H₆/petrol)

Melting Point: Mp 139°

>> **Derivative:** 3',4'-Di-Me ether

Synonym(s): 7-Hydroxy-3',4'-dimethoxyisoflavone. **Cladrin**

CAS Registry Number: 24160-14-3

Molecular Formula: C₁₇H₁₄O₅

Molecular Weight: 298.295

Accurate Mass: 298.084125

Percentage Composition: C 68.45%; H 4.73%; O 26.82%

Biological Source: Constit. of *Cladrastis lutea* heartwood

Physical Description: Cryst. (EtOH)

Melting Point: Mp 257-258°

>> **Derivative:** 3',4'-Di-Me ether, 7-*O*-β-D-glucopyranoside

CAS Registry Number: 68862-12-4

Molecular Formula: C₂₃H₂₄O₁₀

Molecular Weight: 460.437

Accurate Mass: 460.13695

Percentage Composition: C 60.00%; H 5.25%; O 34.75%

Biological Source: Isol. from *Cladrastis* spp.