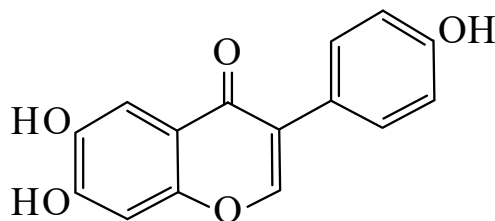




>>Entry Name: 4',6,7-Trihydroxyisoflavone

Synonym(s): 6,7-Dihydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-one, 9Cl. **Demethyltexasin.** Soybean factor 2



CAS Registry Number: 17817-31-1

Related CAS Registry Numbers(s): 11027-11-5

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 fermented soybeans (*Glycine max*) and from *Centrosema haitiense*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 322°

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

Molecular Formula: C₂₁H₂₀O₁₀

Molecular Weight: 432.383

Accurate Mass: 432.10565

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

>>Derivative: Tri-Ac

Molecular Formula: C₂₁H₁₆O₈

Molecular Weight: 396.353

Accurate Mass: 396.08452

Percentage Composition: C 63.64%; H 4.07%; O 32.29%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 217°

>>Derivative: 4'-Me ether

Synonym(s): 6,7-Dihydroxy-4'-methoxyisoflavone. **Texasin**

CAS Registry Number: 897-46-1

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 *Baptisia*, *Myroxylon* and *Platymiscium* sp.

Physical Description: Prisms (EtOH)

Melting Point: Mp 291-292.5°

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

CAS Registry Number: 20314-21-0

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 australis* leaves and stems

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 204-206°