



Molecular Formula: C₁₆H₁₂O₆

Molecular Weight: 300.267

Accurate Mass: 300.06339

Percentage Composition: C 64.00%; H 4.03%; O 31.97%

Biological Source: Isol. from *Virola caducifolia*, *Virola multinervia* and *Haplormosia monophylla*

Physical Description: Needles (MeOH aq.)

Melting Point: Mp 215-216° (201-203°)

>>Derivative: 5-Me ether

Synonym(s): 2',4',7-Trihydroxy-5-methoxyisoflavone. **Barpiso flavone A.** 2'-Hydroxyisoprunetin

CAS Registry Number: 101691-27-4

Molecular Formula: C₁₆H₁₂O₆

Molecular Weight: 300.267

Accurate Mass: 300.06339

Percentage Composition: C 64.00%; H 4.03%; O 31.97%

Biological Source: Constit. of *Phaseolus coccineus* and *Lupinus luteus*

Physical Description: Needles

Melting Point: Mp 290 dec.°

Solubility: BERDY SOL: Sol. MeOH, EtOAc; poorly sol. H₂O

UV: [neutral] λ_{max} 206 (); 256 (); 290 () (EtOH) (Berdy) [base] λ_{max} 210 (); 273 (); 320 () (EtOH-NaOH) (Berdy)

Other Data: The name 2'-Hydroxyisoprunetin is not recommended

>>Derivative: 7-Me ether

Synonym(s): 2',4',5-Trihydroxy-7-methoxyisoflavone. **Cajanin**

CAS Registry Number: 32884-36-9

Molecular Formula: C₁₆H₁₂O₆

Molecular Weight: 300.267

Accurate Mass: 300.06339

Percentage Composition: C 64.00%; H 4.03%; O 31.97%

Biological Source: Isol. from *Cajanus cajan*, *Canavalia ensiformis*, *Centrosema pascuorum* and *Centrosema pubescens*

Melting Point: Mp 208-210°

Solubility: BERDY SOL: Sol. EtOAc

UV: [neutral] λ_{max} 216 (); 260 (ε 22400); 288 () (MeOH) (Berdy) [base] λ_{max} 272 () (MeOH-NAOH) (Berdy) [acid] λ_{max} 269 (); 306 () (HCl) (Berdy)

>>Derivative: 2',4'-Di-Me ether

Synonym(s): 5,7-Dihydroxy-2',4'-dimethoxyisoflavone. 2'-Methoxybiochanin A

CAS Registry Number: 61243-75-2

Molecular Formula: C₁₇H₁₄O₆

Molecular Weight: 314.294

Accurate Mass: 314.07904

Percentage Composition: C 64.97%; H 4.49%; O 30.54%

Biological Source: Constit. of *Virola caducifolia* and *Virola multinervia*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 222-223°

>>Derivative: 2',5-Di-Me ether

Synonym(s): 4',7-Dihydroxy-2',5-dimethoxyisoflavone

Molecular Formula: C₁₇H₁₄O₆

Molecular Weight: 314.294

Accurate Mass: 314.07904

Percentage Composition: C 64.97%; H 4.49%; O 30.54%

Biological Source: From *Phaseolus coccineus*