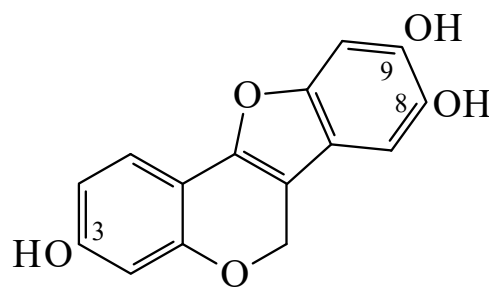




>>Entry Name: 3,8,9-Trihydroxypterocarpene



Molecular Formula: C₁₅H₁₀O₅

Molecular Weight: 270.241

Accurate Mass: 270.052825

Percentage Composition: C 66.67%; H 3.73%; O 29.60%

Melting Point: Mp 184-186°

>>Derivative: 3-Me ether

Synonym(s): 8,9-Dihydroxy-3-methoxypterocarpene. **Lespedezol A₄**

Molecular Formula: C₁₆H₁₂O₅

Molecular Weight: 284.268

Accurate Mass: 284.068475

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

Biological Source: Constit. of *Lespedeza homoloba*

Physical Description: Amorph. powder

UV: [neutral] λ_{max} 243 (sh) (log ε 4.09); 338 (log ε 4.36) (MeOH)

>>Derivative: 8,9-Methylene ether

Synonym(s): 3-Hydroxy-8,9-methylenedioxypterocarpene

CAS Registry Number: 59901-98-3

Molecular Formula: C₁₆H₁₀O₅

Molecular Weight: 282.252

Accurate Mass: 282.052825

Percentage Composition: C 68.09%; H 3.57%; O 28.34%

Biological Source: Isol. from the heartwood of *Virgilia oroboides*

Physical Description: Cryst. (Me₂CO/hexane)

Other Data: Blackens at 210°

>>Derivative: 8,9-Methylene ether, 3-Ac

Physical Description: Needles (Me₂CO/hexane)

Melting Point: Mp 192-193°

>>Derivative: 3-Me, 8,9-methylene ether

Synonym(s): 3-Methoxy-6*H*-[1,3]dioxolo[5,6]benzofuro[3,2-*c*][1]benzopyran, 9Cl. 3-Methoxy-8,9-methylenedioxypterocarpene. **Flemichapparin B**. Anhydropisatin. 6*a*, 11*a*-Dehydropterocarpin

CAS Registry Number: 3187-53-9

Molecular Formula: C₁₇H₁₂O₅

Molecular Weight: 296.279

Accurate Mass: 296.068475

Percentage Composition: C 68.92%; H 4.08%; O 27.00%

Biological Source: Isol. from *Flemingia chappar*, *Lonchocarpus urucu*, *Pisum sativum* (phytoalexin) and *Sophora japonica*

Use/Importance: Shows antifungal activity

Physical Description: Needles (EtOH)

Melting Point: Mp 184-186° (179-180°)

UV: [neutral] λ_{max} 215 (ε 25100); 241 (); 244 (ε 15850); 265 (); 291 (ε 6310); 299 (); 324 (); 339 (ε 38000); 358 (ε 14450) (EtOH) (Berdy)

References: