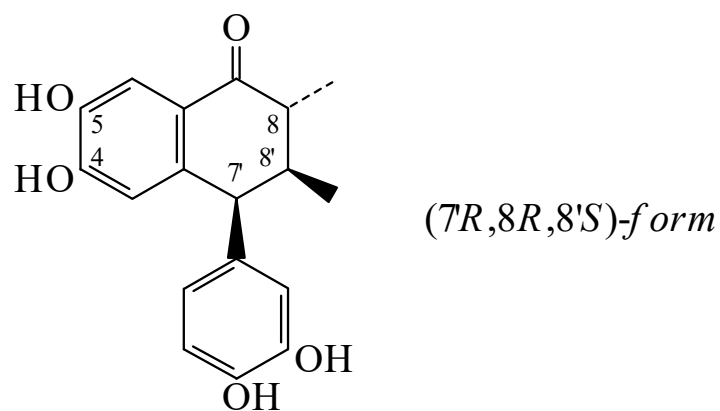




>>Entry Name: 3',4,4',5-Tetrahydroxy-2,7'-cyclolignan-7-one



Molecular Formula: C₁₈H₁₈O₅

Molecular Weight: 314.337

Accurate Mass: 314.115425

Percentage Composition: C 68.78%; H 5.77%; O 25.45%

>>Variant: (7'R,8R,8'S)-form

Molecular Formula: C₁₈H₁₈O₅

Molecular Weight: 314.337

Accurate Mass: 314.115425

Percentage Composition: C 68.78%; H 5.77%; O 25.45%

>>Derivative: 4,5-Methylene, 3'-Me ether

Synonym(s): Epienshicine

CAS Registry Number: 115939-80-5

Molecular Formula: C₂₀H₂₀O₅

Molecular Weight: 340.375

Accurate Mass: 340.131075

Percentage Composition: C 70.58%; H 5.92%; O 23.50%

Biological Source: Isol. from stem and root of *Schisandra propinqua*

Use/Importance: Active against leukaemia P-388 virus *in vitro*

Melting Point: Mp 163-164°

Optical Rotation: [α]_D¹¹ -18.2 (CHCl₃)

UV: [neutral] $\lambda_{\max}$ 202 (ϵ 52480); 234 (ϵ 25120); 276 (ϵ 9660); 318 (ϵ 7250) (EtOH) (Berdy)

>>Variant: (7'R,8S,8'R)-form

Molecular Formula: C₁₈H₁₈O₅

Molecular Weight: 314.337

Accurate Mass: 314.115425

Percentage Composition: C 68.78%; H 5.77%; O 25.45%

>>Derivative: 3',4,4'-Tri-Me ether

Synonym(s): 5-Hydroxy-3',4,4'-trimethoxy-2,7'-cyclolignan-7-one. **Schisandrone**

CAS Registry Number: 98619-25-1

Molecular Formula: C₂₁H₂₄O₅

Molecular Weight: 356.418

Accurate Mass: 356.162375

Percentage Composition: C 70.77%; H 6.79%; O 22.44%

Biological Source: Isol. from *Schisandra sphenanthera*

Physical Description: Cryst. (Et₂O/hexane)

Melting Point: Mp 176-177°

Optical Rotation: [α]_D¹⁷ -32.5 (c, 0.12 in CHCl₃)