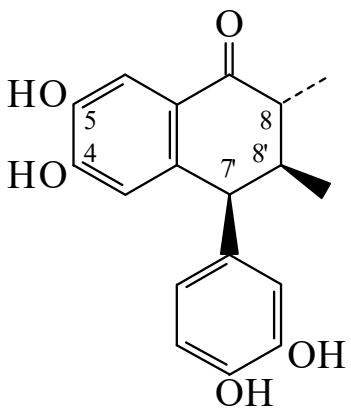
>>**Entry Name: 3',4,4',5-Tetrahydroxy-2,7'-cyclolignan-7-one**



(7'*R*,8*R*,8'*S*)-*form*

Molecular Formula: $C_{18}H_{18}O_5$
Molecular Weight: 314.337
Accurate Mass: 314.115425
Percentage Composition: C 68.78%; H 5.77%; O 25.45%

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

Molecular Formula: $C_{18}H_{18}O_5$
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: $C_{20}H_{20}O_5$
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: $[\alpha]_D^{11}$ –18.2 ($CHCl_3$)
UV: [neutral] λ_{max} 202 (ε 52480); 234 (ε 25120); 276 (ε 9660); 318 (ε 7250) (EtOH) (Berdy)

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

Molecular Formula: $C_{18}H_{18}O_5$
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: $C_{21}H_{24}O_5$
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. (Et_2O/hexane)
Melting Point: Mp 176-177°
Optical Rotation: $[\alpha]_D^{17}$ –32.5 (c, 0.12 in $CHCl_3$)