



Synonym(s): (-)-Lariciresinol. NSC 329247

CAS Registry Number: 83327-19-9

Molecular Formula: C₂₀H₂₄O₆

Molecular Weight: 360.406

Accurate Mass: 360.15729

Percentage Composition: C 66.65%; H 6.71%; O 26.64%

Biological Source: Constit. of *Daphne odora*, *Daphne tangutica* and *Dirca occidentalis*

Biological Use/Importance: Cytotoxic agent

Optical Rotation: [α]_D -17.8 (Me₂CO)

Solubility: BERDY SOL: Sol. MeOH, CHCl₃; poorly sol. H₂O

UV: [neutral] $\lambda_{\max}$ 232 (ϵ 14800); 283 (ϵ 10500) (MeOH) [neutral] $\lambda_{\max}$ 232 (ϵ 14800); 283 (ϵ 10500) (MeOH) (Berdy)

>> **Derivative:** 3,4:3',4'-Bis(methylene) ether

Synonym(s): 3,4:3',4'-Bis(methylenedioxy)-7,9'-epoxylignan. **Dihydrosesamin**

CAS Registry Number: 83708-70-7

Molecular Formula: C₂₀H₂₀O₆

Molecular Weight: 356.374

Accurate Mass: 356.12599

Percentage Composition: C 67.41%; H 5.66%; O 26.94%

Biological Source: Isol. from *Daphne tangutica*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 98-99°

Optical Rotation: [α]_D²⁵ -15.9 (c, 0.67 in Py)

>> **Variant:** (7 ξ ,8 ξ ,8' ξ)-form

Molecular Formula: C₁₈H₂₀O₆

Molecular Weight: 332.352

Accurate Mass: 332.12599

Percentage Composition: C 65.05%; H 6.07%; O 28.88%

>> **Derivative:** 3'-Me ether

Synonym(s): 3,4,4',9-Tetrahydroxy-3'-methoxy-7,9'-epoxylignan. **Taxiresinol**

CAS Registry Number: 40951-69-7

Molecular Formula: C₁₉H₂₂O₆

Molecular Weight: 346.379

Accurate Mass: 346.14164

Percentage Composition: C 65.88%; H 6.40%; O 27.71%

Biological Source: Isol. from the heartwood of *Taxus baccata*

Physical Description: Needles (Me₂CO)

Melting Point: Mp 158°

Optical Rotation: [α]_D +32.2 (EtOH)

UV: [neutral] $\lambda_{\max}$ 226 (); 282 () (MeOH) (Berdy)

>> **Derivative:** 3'-Me ether, 9-Ac

Synonym(s): **9-O-Acetyltaxiresinol**

Molecular Formula: C₂₁H₂₄O₇

Molecular Weight: 388.416

Accurate Mass: 388.152205

Percentage Composition: C 64.94%; H 6.23%; O 28.83%

Biological Source: Constit. of *Taxus mairei*

Physical Description: Gum