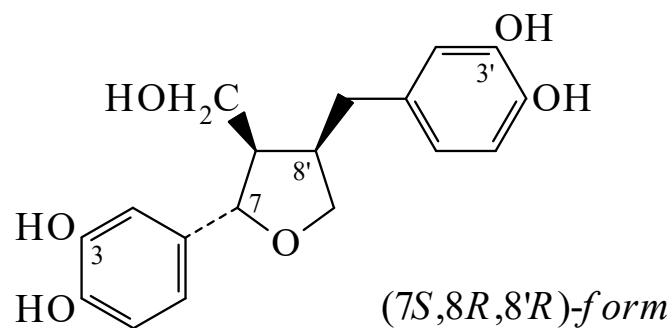




>>Entry Name: 3,3',4,4',9-Pentahydroxy-7,9'-epoxylignan

ENTRY UNDER REVIEW

Synonym(s): Tetrahydro-2-(3,4-dihydroxyphenyl)-4-[(3,4-dihydroxyphenyl)methyl]-3-furanmethanol, 9CI



Molecular Formula: C₁₈H₂₀O₆

Molecular Weight: 332.352

Accurate Mass: 332.12599

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

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

Molecular Formula: C₁₈H₂₀O₆

Molecular Weight: 332.352

Accurate Mass: 332.12599

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

>>Derivative: 3,3'-Di-Me ether

Synonym(s): 4,4',9-Trihydroxy-3,3'-dimethoxy-7,9'-epoxylignan. **Lariciresinol**

CAS Registry Number: 27003-73-2

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 the wound resin of the European larch (*Larix decidua*). Also found in *Araucaria angustifolia*

Physical Description: Needles (MeOH)

Melting Point: Mp 167-168° (162-164°)

Optical Rotation: [α]_D²⁵ +18 (c, 1.0 in Me₂CO)

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

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

Molecular Formula: C₂₂H₂₆O₇

Molecular Weight: 402.443

Accurate Mass: 402.167855

Percentage Composition: C 65.66%; H 6.51%; O 27.83%

Biological Source: Constit. of *Aglaia eleagnoidea*

Optical Rotation: [α]_D +17 (c, 0.3 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 230 (log ϵ 4.11); 282 (log ϵ 3.79) (MeOH)

>>Derivative: 3,3'-Di-Me ether, tri-Ac

Molecular Formula: C₂₆H₃₀O₉

Molecular Weight: 486.518

Accurate Mass: 486.188985

Percentage Composition: C 64.19%; H 6.21%; O 29.60%

Physical Description: Viscous oil

Optical Rotation: [α]_D²⁵ +8 (c, 1.0 in CHCl₃)