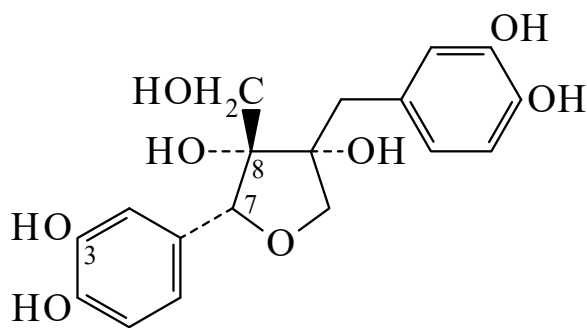




>>Entry Name: 3,3',4,4',8,8',9-Heptahydroxy-7,9'-epoxylignan



Molecular Formula: C₁₈H₂₀O₈

Molecular Weight: 364.351

Accurate Mass: 364.11582

Percentage Composition: C 59.34%; H 5.53%; O 35.13%

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

Synonym(s): 4,4',8,8',9-Pentahydroxy-3,3'-dimethoxy-7,9'-epoxylignan. **Massoniresinol**. Vladinol A

CAS Registry Number: 96087-10-4

Molecular Formula: C₂₀H₂₄O₈

Molecular Weight: 392.405

Accurate Mass: 392.14712

Percentage Composition: C 61.22%; H 6.16%; O 32.62%

Biological Source: Constit. of *Pinus massoniana* and from underground parts of *Vladimiria souliei*

Physical Description: Amorph.

Optical Rotation: $[\alpha]_D^{25} -31.4$ (c, 0.79 in MeOH)

>>Derivative: 3,3'-Di-Me ether, 4'-O-β-D-glucopyranoside

CAS Registry Number: 148245-84-5

Molecular Formula: C₂₆H₃₄O₁₃

Molecular Weight: 554.547

Accurate Mass: 554.199945

Percentage Composition: C 56.31%; H 6.18%; O 37.51%

Biological Source: Constit. of *Saussurea lappa*

Physical Description: Powder

Optical Rotation: $[\alpha]_D -67$ (c, 1 in MeOH)

References:

Shen, Z. *et al.*, *Phytochemistry*, 1985, **24**, 364

Tan, R.X. *et al.*, *Planta Med.*, 1990, **56**, 475

Matsuda, H. *et al.*, *Tetrahedron*, 2000, **56**, 7763-7777, (*Massoniresinol 4'-glucoside*)