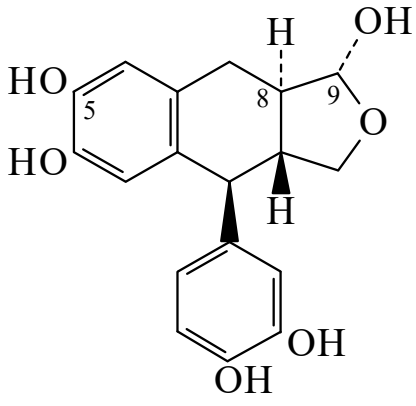
>>**Entry Name: 3',4,4',5,9-Pentahydroxy-9,9'-epoxy-2,7'-cyclolignan**
ENTRY UNDER REVIEW



(7*S*,8*R*,8'*R*,9*R*)-*form*

Related CAS Registry Numbers(s): 101312-79-2

Molecular Formula: $C_{18}H_{18}O_6$
Molecular Weight: 330.337
Accurate Mass: 330.11034
Percentage Composition: C 65.45%; H 5.49%; O 29.06%

>>**Variant:** (7'*S*,8*R*,8'*R*,9*R*)-form

Molecular Formula: $C_{18}H_{18}O_6$
Molecular Weight: 330.337
Accurate Mass: 330.11034
Percentage Composition: C 65.45%; H 5.49%; O 29.06%

>>**Derivative:** 3',5-Di-Me ether
Synonym(s): 4,4',9-Trihydroxy-3',5-dimethoxy-9,9'-epoxy-2,7-cyclolignan. **Todolactol B**

CAS Registry Number: 111956-89-9

Molecular Formula: $C_{20}H_{22}O_6$
Molecular Weight: 358.39
Accurate Mass: 358.14164
Percentage Composition: C 67.03%; H 6.19%; O 26.79%
Biological Source: Isol. from heartwood of *Pinus armandii* and *Abies sachalinensis*, prod. of hydrol. of lignin
Melting Point: Mp 181-182°
Optical Rotation: $[\alpha]_D^{23}$+38.8 (c, 0.33 in Me_2CO)
Other Data: 9-Config. appears uncertain

>>**Derivative:** 3',5,9-Tri-Me ether
Synonym(s): Methyl α-conidendral. **Todolactol C.** α-Conidendral

CAS Registry Number: 71724-99-7

Molecular Formula: $C_{21}H_{24}O_6$
Molecular Weight: 372.417
Accurate Mass: 372.15729
Percentage Composition: C 67.73%; H 6.50%; O 25.78%
Biological Source: Constit. of *Abies sachalinensis, D. intermedium, Juniperus formosana* and of *Tsuga chinensis* var. *formosana*
Physical Description: Plates (MeOH aq.)
Melting Point: Mp 229° (225-227°)
Other Data: Readily isomerises at C-9. The 9-epimer has been synthesised

>>**Derivative:** 3',5-Di-Me, 9-Et ether
Synonym(s): Todolactol D

CAS Registry Number: 114924-88-8

Molecular Formula: $C_{22}H_{26}O_6$
Molecular Weight: 386.444
Accurate Mass: 386.17294
Percentage Composition: C 68.38%; H 6.78%; O 24.84%
Biological Source: Isol. from *D. intermedium* and *Abies sachalinensis*
Physical Description: Prisms
Melting Point: Mp 187-191°