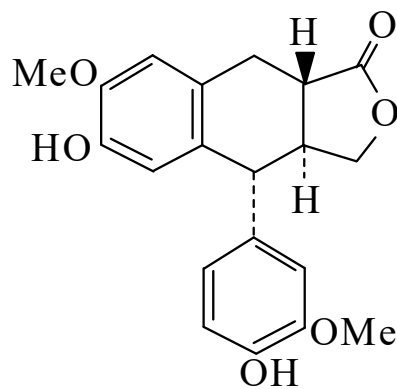




>>Entry Name: α -Conidendrin

Synonym(s): 3*a*,4,9,9*a*-Tetrahydro-6-hydroxy-4-(4-hydroxy-3-methoxyphenyl)-7-methoxynaphtho[2,3-*c*]furan-1(3*H*)-one, 9Cl. 4,4'-Dihydroxy-3,3'-dimethoxy-2,7'-cyclolignan-9,9'-olide. Tsugalactone. Tsugaresinol. Sulfite liquors lactone



CAS Registry Number: 85699-62-3

Molecular Formula: C₂₀H₂₀O₆

Molecular Weight: 356.374

Accurate Mass: 356.12599

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

Biological Source: Constit. of spruce resin and of wood of *Tsuga sieboldii*, other *Tsuga* spp., and *Trachelospermum asiaticum*, *Picea* spp., *Larix lyallii* and *Abies amabilis*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 254-255°

Optical Rotation: $[\alpha]_D^{20}$ -54.5 (Me₂CO)

UV: [neutral] $\lambda_{\max}$ 216 (); 284 () (MeOH) (Berdy)

>>Derivative: Di-Me ether

Synonym(s): α -Dimethylconidendrin

CAS Registry Number: 25925-39-7

Melting Point: Mp 179-180°

Optical Rotation: $[\alpha]_D^{18}$ -99.4 (Me₂CO)

References:

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Schrecker, A.W. *et al.*, *J.A.C.S.*, 1955, **77**, 432, (*abs config*)
Pearl, I.A. *et al.*, *J.O.C.*, 1961, **26**, 5461, (*isol*)
Freudenberg, K. *et al.*, *Tetrahedron*, 1961, **15**, 115
Barton, G.M. *et al.*, *J.O.C.*, 1962, **27**, 322, (*isol*)
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