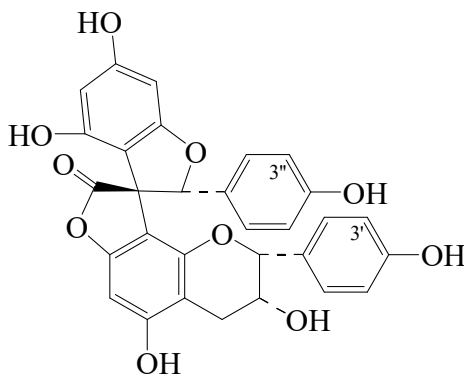




>>Entry Name: Larixinol

Synonym(s): 3',4'-Dihydro-3',4,5',6-tetrahydroxy-2,2'-bis(4-hydroxyphenyl)spiro[benzofuran-3(2*H*),9',(8'*H*)-[2*H*]furo[2,3-*h*][1]benzopyran]-8'-one, 9Cl



CAS Registry Number: 101046-79-1

Related CAS Registry Numbers(s): 101143-29-7

Molecular Formula: C₃₀H₂₂O₁₀

Molecular Weight: 542.498

Accurate Mass: 542.1213

Percentage Composition: C 66.42%; H 4.09%; O 29.49%

Biological Source: Constit. of *Larix gmelinii*

Physical Description: Cryst.

Melting Point: Mp 208-210°

Optical Rotation: $[\alpha]_D^{20} -151$ (c, 1 in Me₂CO)

>>Derivative: 3',3''-Dihydroxy

Synonym(s): Vitisinol

Molecular Formula: C₃₀H₂₂O₁₂

Molecular Weight: 574.497

Accurate Mass: 574.11113

Percentage Composition: C 62.72%; H 3.86%; O 33.42%

Physical Description: Powder

Optical Rotation: $[\alpha]_D^{22} -90$ (c, 0.1 in MeOH)

UV: [neutral] $\lambda_{\max}$ 210 (log ϵ 4.63); 280 (log ϵ 4.12) (MeOH)

References:

Shen, Z. *et al.*, *Chem. Comm.*, 1985, 1135, (*Larixinol*)

Wang, J.-N. *et al.*, *Phytochemistry*, 2000, **53**, 1097-1102, (*Vitisinol*)