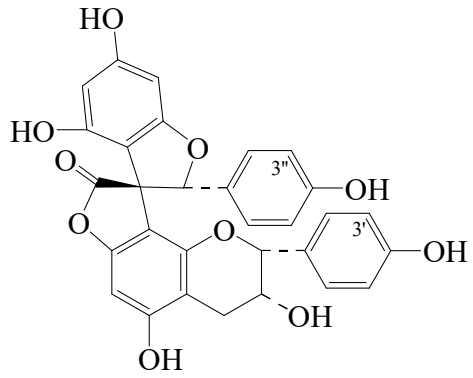
>>**Entry Name: Larixinol**

**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, 9CI




**CAS Registry Number:** 101046-79-1

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

**Molecular Formula:** $C_{30}H_{22}O_{10}$

**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 $Me_2CO$)

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

**Synonym(s): Vitisinol**

**Molecular Formula:** $C_{30}H_{22}O_{12}$

**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)*