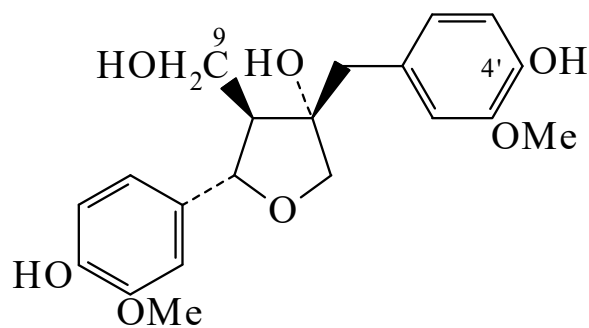




>>Entry Name: Olivil

Synonym(s): 4,4',8',9-Tetrahydroxy-3,3'-dimethoxy-7,9'-cyclo lignan. Vladinol C



CAS Registry Number: 2955-23-9

Molecular Formula:  $C_{20}H_{24}O_7$

Molecular Weight: 376.405

Accurate Mass: 376.152205

Percentage Composition: C 63.82%; H 6.43%; O 29.75%

Biological Source: Isol. from olive wood resin, *Abies tazaotana* and *Olea africana*. Also from underground parts of *Vladimiria souliei*

Physical Description: Cryst. +  $1H_2O$  ( $H_2O$ )

Melting Point: Mp  $127^{\circ}$  ( $105^{\circ}$ ). Mp  $142-143^{\circ}$  (anhyd.)

Optical Rotation:  $[\alpha]_D^{20} -127$

>>Derivative: 9-O-Ac

Synonym(s): Icariresinol

CAS Registry Number: 56440-71-2

Molecular Formula:  $C_{22}H_{26}O_8$

Molecular Weight: 418.443

Accurate Mass: 418.16277

Percentage Composition: C 63.15%; H 6.26%; O 30.59%

Biological Source: Constit. of *Epimedium grandiflorum*

>>Derivative: Di-Me ether

Molecular Formula:  $C_{22}H_{28}O_7$

Molecular Weight: 404.459

Percentage Composition: C 65.33%; H 6.98%; O 27.69%

Physical Description: Cryst.

Melting Point: Mp  $156^{\circ}$

>>Derivative: 4-O- $\beta$ -D-Glucopyranoside

CAS Registry Number: 56440-73-4

Molecular Formula:  $C_{26}H_{34}O_{12}$

Molecular Weight: 538.547

Accurate Mass: 538.20503

Percentage Composition: C 57.99%; H 6.36%; O 35.65%

Biological Source: Constit. of *Cerbera* sp. and *Eucommia ulmoides*

Physical Description: Amorph. powder

Optical Rotation:  $[\alpha]_D^{23} -33.3$  (c, 1 in MeOH)

UV: [neutral]  $\lambda_{max}$  229 (); 279 () (MeOH)

>>Derivative: 4'-O- $\beta$ -D-Glucopyranoside

CAS Registry Number: 76880-93-8

Molecular Formula:  $C_{26}H_{34}O_{12}$

Molecular Weight: 538.547

Accurate Mass: 538.20503

Percentage Composition: C 57.99%; H 6.36%; O 35.65%

Biological Source: Constit. of *Cerbera* sp., *Epimedium* sp., *Ligustrum* spp., *Syringa* sp. and other plant spp.

Optical Rotation:  $[\alpha]_D^{23} -22.7$  (c, 1.0 in MeOH)

>>Derivative: 9-O-[ $\beta$ -D-Apiofuranosyl-(1 $\rightarrow$ 6)- $\beta$ -D-glucopyranoside]

Synonym(s): Yemuoside YM<sub>2</sub>