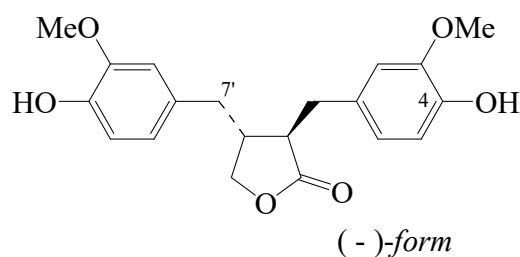




>>Entry Name: Matairesinol

Synonym(s): Dihydro-3,4-bis[(4-hydroxy-3-methoxyphenyl)methyl]-2(3*H*)-furanone, 9Cl. Dihydro-3,4-divanillyl-2(3*H*)-furanone, 8Cl. 4,4'-Dihydroxy-3,3'-dimethoxylignan-9,9'-olide



Related CAS Registry Numbers(s): 29764-17-8 41948-08-7

Molecular Formula: C₂₀H₂₂O₆

Molecular Weight: 358.39

Accurate Mass: 358.14164

Percentage Composition: C 67.03%; H 6.19%; O 26.79%

>>**Variant:** (-)-form

CAS Registry Number: 580-72-3

Molecular Formula: C₂₀H₂₂O₆

Molecular Weight: 358.39

Accurate Mass: 358.14164

Percentage Composition: C 67.03%; H 6.19%; O 26.79%

Biological Source: Constit. of exudation of *Podocarpus spicata* and *Wikstroemia viridiflora*. Also from trunkwood of *Tsuga mertensiana*, *Tsuga heterophylla* and *Abies amabilis*, cell cultures of *Linum flavum* and from *Centaurea solstitialis*

Physical Description: Needles (EtOH or AcOH)

Melting Point: Mp 119° (anhyd.)

Optical Rotation: [α]_D -40 (c, 0.1 in EtOH)

Solubility: BERDY SOL: Sol. EtOH, CHCl₃; fairly sol. C₆H₆, Et₂O, toluene; poorly sol. hexane, H₂O

UV: [neutral] $\lambda_{\max}$ 230 (); 280 () (EtOH) (Berdy)

>>**Derivative:** Dibenzoyl

Physical Description: Cryst. (EtOH)

Melting Point: Mp 133°

>>**Derivative:** 4'-O- β -D-Glucopyranoside

Synonym(s): Matairesinoside

CAS Registry Number: 23202-85-9

Molecular Formula: C₂₆H₃₂O₁₁

Molecular Weight: 520.532

Accurate Mass: 520.194465

Percentage Composition: C 59.99%; H 6.20%; O 33.81%

Biological Source: Constit. of *Trachelospermum asiaticum* stems and *Forsythia viridissima* leaves

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 93°

Optical Rotation: [α]_D¹² -46 (EtOH)

>>**Derivative:** 4-O-[β -D-Glucopyranosyl-(1 $\rightarrow$ 6)- β -D-glucopyranoside]

Synonym(s): Matairesinol 4-gentiobioside

CAS Registry Number: 106647-14-7

Molecular Formula: C₃₂H₄₂O₁₆

Molecular Weight: 682.674

Accurate Mass: 682.24729

Percentage Composition: C 56.30%; H 6.20%; O 37.50%

Biological Source: Isol. from *Trachelospermum asiaticum*

Physical Description: Amorph.

Optical Rotation: [α]_D²⁶ -54.7 (c, 0.68 in MeOH)

>>**Derivative:** 4'-O-[β -D-Apiofuranosyl-(1 $\rightarrow$ 2)- β -D-glucopyranoside]