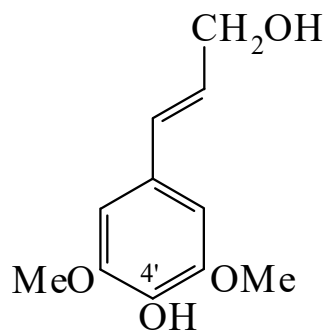




>>Entry Name: Sinapyl alcohol

Synonym(s): 4-(3-Hydroxy-1-propenyl)-2,6-dimethoxyphenol, 9Cl. 3-(4-Hydroxy-3,5-dimethoxyphenyl)-2-propen-1-ol, 8Cl. Syringenin



CAS Registry Number: 537-33-7

Related CAS Registry Numbers(s): 132335-93-4

Molecular Formula: C₁₁H₁₄O₄

Molecular Weight: 210.229

Accurate Mass: 210.08921

Percentage Composition: C 62.85%; H 6.71%; O 30.44%

Aldrich: 40458-6

>>Variant: (*E*)-form

CAS Registry Number: 20675-96-1

Molecular Formula: C₁₁H₁₄O₄

Molecular Weight: 210.229

Accurate Mass: 210.08921

Percentage Composition: C 62.85%; H 6.71%; O 30.44%

Biological Source: Principal building block of angiosperm wood lignin

Physical Description: Needles (petrol)

Melting Point: Mp 63-65°

>>Derivative: 1-*O*-β-D-Glucopyranoside

Molecular Formula: C₁₇H₂₄O₉

Molecular Weight: 372.371

Accurate Mass: 372.142035

Percentage Composition: C 54.83%; H 6.50%; O 38.67%

Biological Source: Constit. of *Pinus stratiotes* and *Zantedeschia aethiopica*

>>Derivative: 1-*O*-β-D-Glucopyranoside, 4'-*O*-[β-D-glucopyranosyl-(1→6)-β-D-glucopyranoside]

Molecular Formula: C₂₉H₄₄O₁₉

Molecular Weight: 696.655

Accurate Mass: 696.247685

Percentage Composition: C 50.00%; H 6.37%; O 43.64%

Biological Source: Constit. of the roots of *Stellera chamaejasme*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_{\text{D}}^{20} -50.6$ (c, 0.19 in MeOH)

UV: [neutral] λ_{max} 220 (); 266 () (MeOH)

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

Synonym(s): Syringin. Lilacin. Methoxyconiferin. Eleutheroside B. Magnolenin. Alyposide. Syringoside. Ligustrin. Ilexanthin A

CAS Registry Number: 118-34-3

Molecular Formula: C₁₇H₂₄O₉

Molecular Weight: 372.371

Accurate Mass: 372.142035

Percentage Composition: C 54.83%; H 6.50%; O 38.67%

Biological Source: Isol. from *Syringa vulgaris*, *Ligustrum* spp., *Jasminum* spp., *Phyllyrea latifolia*, *Phyllyrea decora*, *Paulownia tomentosa*, *Forsythia suspensa*, *Fraxinus* spp. and others