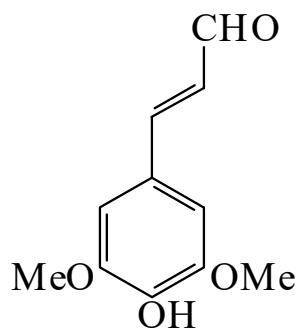




>>Entry Name: Sinapaldehyde

Synonym(s): 3-(4-Hydroxy-3,5-dimethoxyphenyl)-2-propen-1-al. 4-Hydroxy-3,5-dimethoxycinnamaldehyde. Sinapinaldehyde. Sinapyl aldehyde



CAS Registry Number: 4206-58-0

Related CAS Registry Numbers(s): 87345-53-7

Molecular Formula: C₁₁H₁₂O₄

Molecular Weight: 208.213

Accurate Mass: 208.07356

Percentage Composition: C 63.45%; H 5.81%; O 30.74%

Aldrich: 38215-9

>>Variant: (*E*)-form

CAS Registry Number: 20649-43-8

Molecular Formula: C₁₁H₁₂O₄

Molecular Weight: 208.213

Accurate Mass: 208.07356

Percentage Composition: C 63.45%; H 5.81%; O 30.74%

Biological Source: Present in *Quercus* spp., *Juglans* spp., *Populus tremuloides*, *Eucalyptus sieberi*, *Betula pubescens* and many other woods

Physical Description: Light yellow needles (C₆H₆ or EtOH)

Melting Point: Mp 108.5-109.5° (105-106°)

>>Derivative: Ac

Molecular Formula: C₁₃H₁₄O₅

Molecular Weight: 250.251

Accurate Mass: 250.084125

Percentage Composition: C 62.39%; H 5.64%; O 31.97%

Physical Description: Prisms

Melting Point: Mp 142° (119-120°)

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 273 dec.°

>>Derivative: *O*-β-D-Glucopyranoside

CAS Registry Number: 154461-65-1

Molecular Formula: C₁₇H₂₂O₉

Molecular Weight: 370.355

Accurate Mass: 370.126385

Percentage Composition: C 55.13%; H 5.99%; O 38.88%

Biological Source: Constit. of *Phellodendron amurense*

Physical Description: Needles (MeOH)

Melting Point: Mp 222-223°

Optical Rotation: [α]_D -28.1 (c, 0.8 in Py)