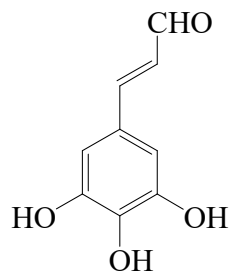




>>Entry Name: 3-(3,4,5-Trihydroxyphenyl)-2-propenal, 9CI

Synonym(s): 3,4,5-Trihydroxycinnamaldehyde



Molecular Formula: C₉H₈O₄

Molecular Weight: 180.16

Accurate Mass: 180.04226

Percentage Composition: C 60.00%; H 4.48%; O 35.52%

>>Variant: (E)-form

Molecular Formula: C₉H₈O₄

Molecular Weight: 180.16

Accurate Mass: 180.04226

Percentage Composition: C 60.00%; H 4.48%; O 35.52%

>>Derivative: Tri-Me ether

Synonym(s): 3-(3,4,5-Trimethoxyphenyl)-2-propenal, 9CI. 3,4,5-Trimethoxycinnamaldehyde

CAS Registry Number: 71277-13-9

Molecular Formula: C₁₂H₁₄O₄

Molecular Weight: 222.24

Accurate Mass: 222.08921

Percentage Composition: C 64.85%; H 6.35%; O 28.80%

Biological Source: Isol. from *Zanthoxylum ovalifolium*, *Zanthoxylum procerum*, also (stereochem. unspecified but presumably E-) from *Dalbergia spruceana* and *Uvariadendron connivens*

Melting Point: Mp 109-111°

>>Derivative: 3,4-Methylene, 5-Me ether

Synonym(s): 3-Methoxy-4,5-methylenedioxcinnamaldehyde

CAS Registry Number: 74683-19-5

Molecular Formula: C₁₁H₁₀O₄

Molecular Weight: 206.198

Accurate Mass: 206.05791

Percentage Composition: C 64.07%; H 4.89%; O 31.04%

Biological Source: Constit. of *Coniselinum vaginatum*, *Canella winterana* and *Piper auritum*

Physical Description: Yellow needles (Et₂O/hexane)

Melting Point: Mp 136-137°

UV: [neutral] λ_{max} 243 (ε 10800); 337 (ε 11000) (MeOH)

>>Variant: (Z)-form

Molecular Formula: C₉H₈O₄

Molecular Weight: 180.16

Accurate Mass: 180.04226

Percentage Composition: C 60.00%; H 4.48%; O 35.52%

>>Derivative: Tri-Me ether

CAS Registry Number: 71277-12-8

Molecular Formula: C₁₂H₁₄O₄

Molecular Weight: 222.24

Accurate Mass: 222.08921

Percentage Composition: C 64.85%; H 6.35%; O 28.80%

Physical Description: Cryst. (petrol)

Melting Point: Mp 59-60°

References: