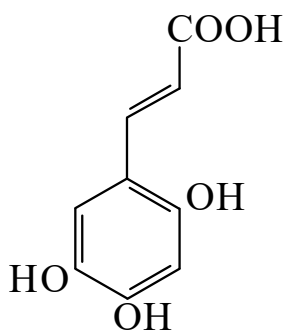




>>Entry Name: 3-(2,4,5-Trihydroxyphenyl)-2-propenoic acid

Synonym(s): 3-(2,4,5-Trihydroxyphenyl)acrylic acid. 2,4,5-Trihydroxycinnamic acid. Aesculetic acid. Esculetic acid



CAS Registry Number: 56437-15-1

Molecular Formula: C₉H₈O₅

Molecular Weight: 196.159

Accurate Mass: 196.037175

Percentage Composition: C 55.11%; H 4.11%; O 40.78%

>>Variant: (*E*)-form

Molecular Formula: C₉H₈O₅

Molecular Weight: 196.159

Accurate Mass: 196.037175

Percentage Composition: C 55.11%; H 4.11%; O 40.78%

>>Derivative: Me ester

Molecular Formula: C₁₀H₁₀O₅

Molecular Weight: 210.186

Accurate Mass: 210.052825

Percentage Composition: C 57.14%; H 4.80%; O 38.06%

Melting Point: Mp 109°

>>Derivative: Tri-Me ether

Synonym(s): 2,4,5-Trimethoxycinnamic acid. 3-(2,4,5-Trimethoxyphenyl)-2-propenoic acid

CAS Registry Number: 73490-49-0

Extra CAS Registry Numbers(s): 24160-53-0

Molecular Formula: C₁₂H₁₄O₅

Molecular Weight: 238.24

Accurate Mass: 238.084125

Percentage Composition: C 60.50%; H 5.92%; O 33.58%

Biological Source: Constit. of *Piper brachystachyum*

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 169°

Aldrich: T7039-4

>>Derivative: Tri-Me ether, Me ester

CAS Registry Number: 80749-75-3

Molecular Formula: C₁₃H₁₆O₅

Molecular Weight: 252.266

Accurate Mass: 252.099775

Percentage Composition: C 61.90%; H 6.39%; O 31.71%

Biological Source: Constit. of *Piper brachystachyum*

Physical Description: Prisms (EtOH aq.)

Melting Point: Mp 109°