



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

Synonym(s): 2,4-Dihydroxycinnamic acid, 8Cl. 3-(2,4-Dihydroxyphenyl)acrylic acid. Umbellic acid

CAS Registry Number: 614-86-8

Related CAS Registry Numbers(s): 38489-71-3

Structure by analogy with 3-(2,3-Dihydroxyphenyl)-2-propenoic acid, [CND06-B](#)

Molecular Formula: C₉H₈O₄

Molecular Weight: 180.16

Accurate Mass: 180.04226

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

Physical Description: Cryst. (EtOH)

Melting Point: Mp 146-147°

pKa Value: pK_{a1} 4.1 (30°, 1.0M LiCl)

>>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: Di-Me ether

Synonym(s): 2,4-Dimethoxycinnamic acid, 8Cl

CAS Registry Number: 16909-09-4

Molecular Formula: C₁₁H₁₂O₄

Molecular Weight: 208.213

Accurate Mass: 208.07356

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

Physical Description: Needles

Melting Point: Mp 192-194° (186-187°)

Aldrich: D13360-4

>>Variant: (ξ)-form

Molecular Formula: C₉H₈O₄

Molecular Weight: 180.16

Accurate Mass: 180.04226

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

>>Derivative: 4-Me ether

Synonym(s): 3-(2-Hydroxy-4-methoxyphenyl)-2-propenoic acid

Molecular Formula: C₁₀H₁₀O₄

Molecular Weight: 194.187

Accurate Mass: 194.05791

Percentage Composition: C 61.85%; H 5.19%; O 32.96%

Physical Description: Needles (H₂O)

Melting Point: Mp 180-185 dec.°

>>Derivative: 4-Me ether, 2-*O*-β-D-glucopyranoside

Synonym(s): 2-Glucosyloxy-4-methoxycinnamic acid

Type of Compound Code(s): VG0060

Molecular Formula: C₁₆H₂₀O₉

Molecular Weight: 356.329

Accurate Mass: 356.110735

Percentage Composition: C 53.93%; H 5.66%; O 40.41%

Biological Source: Precursor of coumarins in lavender