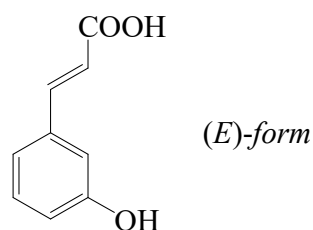




>>Entry Name: 3-(3-Hydroxyphenyl)-2-propenoic acid, 9CI

Synonym(s): *m*-Hydroxycinnamic acid. *m*-Coumaric acid. *m*-Cumaric acid



CAS Registry Number: 588-30-7

Related CAS Registry Numbers(s): 6099-04-3

Extra CAS Registry Numbers(s): 25429-38-3

Molecular Formula: C₉H₈O₃

Molecular Weight: 164.16

Accurate Mass: 164.047345

Percentage Composition: C 65.85%; H 4.91%; O 29.24%

Biological Source: Present in various *Citrus* spp.

>>Variant: (*E*)-form

CAS Registry Number: 14755-02-3

Molecular Formula: C₉H₈O₃

Molecular Weight: 164.16

Accurate Mass: 164.047345

Percentage Composition: C 65.85%; H 4.91%; O 29.24%

Physical Description: Prisms (H₂O)

Melting Point: Mp 191° (194°)

Solubility: Sol. EtOH, Et₂O, C₆H₆, hot H₂O

pKa Value: p*K*_a 4.44

Aldrich: H2300-7

Fluka: 28180

Sigma: C5017

>>Derivative: Me ester

CAS Registry Number: 66417-46-7

Molecular Formula: C₁₀H₁₀O₃

Molecular Weight: 178.187

Accurate Mass: 178.062995

Percentage Composition: C 67.41%; H 5.66%; O 26.94%

Physical Description: Leaflets

Melting Point: Mp 85°

>>Derivative: Et ester

CAS Registry Number: 96251-92-2

Molecular Formula: C₁₁H₁₂O₃

Molecular Weight: 192.214

Accurate Mass: 192.078645

Percentage Composition: C 68.74%; H 6.29%; O 24.97%

Melting Point: Mp 67.5-68.5°

>>Derivative: Me ether

Synonym(s): 3-(3-Methoxyphenyl)-2-propenoic acid. *m*-Methoxycinnamic acid

CAS Registry Number: 6099-04-3

Molecular Formula: C₁₀H₁₀O₃

Molecular Weight: 178.187

Accurate Mass: 178.062995

Percentage Composition: C 67.41%; H 5.66%; O 26.94%

Melting Point: Mp 120°

pKa Value: p*K*_a 4.37 (25°)

Aldrich: M1360-2

Fluka: 65410