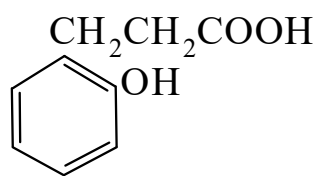




>>Entry Name: 3-(2-Hydroxyphenyl)propanoic acid

Synonym(s): 2-Hydroxybenzenepropanoic acid, 9CI. 3-(*o*-Hydroxyphenyl)propionic acid, 8CI. Melilotic acid. *o*-Hydroxyhydrocinnamic acid. Hydrocoumaric acid



CAS Registry Number: 495-78-3

Molecular Formula: C₉H₁₀O₃

Molecular Weight: 166.176

Accurate Mass: 166.062995

Percentage Composition: C 65.05%; H 6.07%; O 28.88%

Biological Source: Found in *Angraecum fragrans*, *Melilotus alba*, *Dipteryx odorata* and other plants

Physical Description: Cryst. (H₂O)

Melting Point: Mp 82-83°

Solubility: BERDY SOL: Sol. EtOH, Et₂O; fairly sol. H₂O; poorly sol. hexane

pKa Value: pK_{a1} 4.75 (25°)

Aldrich: 39353-3

>>Derivative: Et ester

CAS Registry Number: 20921-04-4

Molecular Formula: C₁₁H₁₄O₃

Molecular Weight: 194.23

Accurate Mass: 194.094295

Percentage Composition: C 68.02%; H 7.26%; O 24.71%

Physical Description: Prisms (Et₂O)

Melting Point: Mp 34°

>>Derivative: Lactone

>>Derivative: Amide

CAS Registry Number: 22367-76-6

Molecular Formula: C₉H₁₁NO₂

Molecular Weight: 165.191

Accurate Mass: 165.078979

Percentage Composition: C 65.44%; H 6.71%; N 8.48%; O 19.37%

Physical Description: Needles

Melting Point: Mp 70°

>>Derivative: Nitrile

CAS Registry Number: 59577-13-8

Molecular Formula: C₉H₉NO

Molecular Weight: 147.176

Accurate Mass: 147.068414

Percentage Composition: C 73.45%; H 6.16%; N 9.52%; O 10.87%

Boiling Point: Bp₁ 147-149°

>>Derivative: Me ether

Synonym(s): 3-(2-Methoxyphenyl)propanoic acid. 2-Methoxyhydrocinnamic acid

CAS Registry Number: 6342-77-4

Molecular Formula: C₁₀H₁₂O₃

Molecular Weight: 180.203

Accurate Mass: 180.078645

Percentage Composition: C 66.65%; H 6.71%; O 26.64%

Physical Description: Cryst. (petrol)

Melting Point: Mp 92°

Aldrich: M2350-0

Fluka: 65230