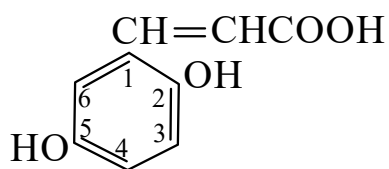




>>Entry Name: 3-(2,5-Dihydroxyphenyl)-2-propenoic acid, 9CI
Synonym(s): 2,5-Dihydroxycinnamic acid, 8CI. Grevillic acid



CAS Registry Number: 636-01-1
Related CAS Registry Numbers(s): 38489-67-7 63177-57-1
Type of Compound Code(s): VG0060

Molecular Formula: C₉H₈O₄
Molecular Weight: 180.16
Accurate Mass: 180.04226
Percentage Composition: C 60.00%; H 4.48%; O 35.52%
Biological Source: Occurs in leaves of *Grevillea robusta*
Use/Importance: Photographic intermed.
Physical Description: Needles (H₂O)
Melting Point: Mp 207 dec.°
pKa Value: pK_{a1} 3.69 (30°, 0.1M LiCl)

>>Derivative: Me ester

CAS Registry Number: 123064-80-2
Type of Compound Code(s): VG0060
Molecular Formula: C₁₀H₁₀O₄
Molecular Weight: 194.187
Accurate Mass: 194.05791
Percentage Composition: C 61.85%; H 5.19%; O 32.96%
Biological Source: Constit. of *Azadirachta indica* and *Murraya paniculata*
Physical Description: Cryst. (hexane)
Melting Point: Mp 173-174°
UV: [neutral] λ_{max} 242 (); 291 (); 320 () (MeOH)

>>Derivative: 2-Me ether

Synonym(s): 5-Hydroxy-2-methoxycinnamic 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: Yellow cryst. (H₂O)
Melting Point: Mp 179-180°

>>Derivative: 2-Me ether, Me ester

Type of Compound Code(s): VG0060
Molecular Formula: C₁₁H₁₂O₄
Molecular Weight: 208.213
Accurate Mass: 208.07356
Percentage Composition: C 63.45%; H 5.81%; O 30.74%
Biological Source: Constit. of *Murraya paniculata*
UV: [neutral] λ_{max} 218 (log ε 3.46); 296 (log ε 3.54); 324 (log ε 3.63) (MeOH)

>>Derivative: Di-Me ether

Synonym(s): 2,5-Dimethoxycinnamic acid

CAS Registry Number: 10538-51-9
Molecular Formula: C₁₁H₁₂O₄
Molecular Weight: 208.213
Accurate Mass: 208.07356
Percentage Composition: C 63.45%; H 5.81%; O 30.74%
Physical Description: Yellowish needles (H₂O)
Melting Point: Mp 147°
Aldrich: 14359-6
Sigma: D3146

References: