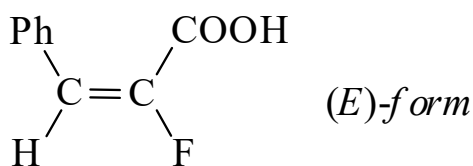




>>Entry Name: 2-Fluoro-3-phenyl-2-propenoic acid, 9CI

Synonym(s): α -Fluorocinnamic acid



CAS Registry Number: 350-90-3

Related CAS Registry Numbers(s): 350-99-2 370-07-0 56695-78-4 56695-79-5

Molecular Formula: C₉H₇FO₂

Molecular Weight: 166.151

Accurate Mass: 166.043008

Percentage Composition: C 65.06%; H 4.25%; F 11.43%; O 19.26%

Aldrich: 16384-8

Sigma: F1253

>>Variant: (E)-form

CAS Registry Number: 20397-60-8

Molecular Formula: C₉H₇FO₂

Molecular Weight: 166.151

Accurate Mass: 166.043008

Percentage Composition: C 65.06%; H 4.25%; F 11.43%; O 19.26%

Physical Description: Cryst. (EtOH aq.)

>>Derivative: Et ester

CAS Registry Number: 20397-58-4

Molecular Formula: C₁₁H₁₁FO₂

Molecular Weight: 194.205

Accurate Mass: 194.074308

Percentage Composition: C 68.03%; H 5.71%; F 9.78%; O 16.48%

Boiling Point: Bp_{0.6} 93°

>>Variant: (Z)-form

CAS Registry Number: 20397-61-9

Molecular Formula: C₉H₇FO₂

Molecular Weight: 166.151

Accurate Mass: 166.043008

Percentage Composition: C 65.06%; H 4.25%; F 11.43%; O 19.26%

Melting Point: Mp 157.6°

Boiling Point: Bp 290°

pKa Value: pK_a 2.9 (25°)

>>Derivative: Et ester

CAS Registry Number: 20397-59-5

Molecular Formula: C₁₁H₁₁FO₂

Molecular Weight: 194.205

Percentage Composition: C 68.03%; H 5.71%; F 9.78%; O 16.48%

Boiling Point: Bp_{1.5} 82°

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