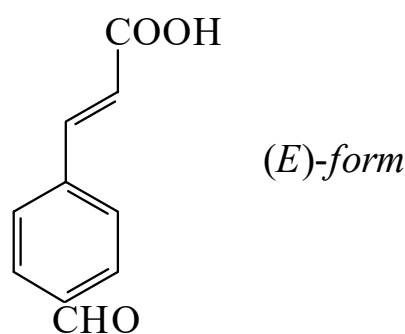




>>Entry Name: 3-(4-Formylphenyl)-2-propenoic acid, 9CI

Synonym(s): *p*-Formylcinnamic acid



CAS Registry Number: 23359-08-2

Molecular Formula: C₁₀H₈O₃

Molecular Weight: 176.171

Accurate Mass: 176.047345

Percentage Composition: C 68.18%; H 4.58%; O 27.25%

Aldrich: 17876-4

>>Variant: (*E*)-form

CAS Registry Number: 66885-68-5

Molecular Formula: C₁₀H₈O₃

Molecular Weight: 176.171

Accurate Mass: 176.047345

Percentage Composition: C 68.18%; H 4.58%; O 27.25%

Physical Description: Prisms (EtOH)

Melting Point: Mp 250° (247-249°)

Other Data: A cryst. struct. detn. carried out in 1985 was erroneously reported

>>Derivative: Me ester

CAS Registry Number: 58045-41-3

Molecular Formula: C₁₁H₁₀O₃

Molecular Weight: 190.198

Accurate Mass: 190.062995

Percentage Composition: C 69.46%; H 5.30%; O 25.24%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 82-83° (79-82°)

>>Variant: (*Z*)-form

CAS Registry Number: 81509-16-2

Molecular Formula: C₁₀H₈O₃

Molecular Weight: 176.171

Accurate Mass: 176.047345

Percentage Composition: C 68.18%; H 4.58%; O 27.25%

>>Derivative: Me ester

CAS Registry Number: 71093-79-3

Molecular Formula: C₁₁H₁₀O₃

Molecular Weight: 190.198

Accurate Mass: 190.062995

Percentage Composition: C 69.46%; H 5.30%; O 25.24%

Other Data: No phys. props. reported

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