



>>Entry Name: 3-(3,4-Dichlorophenyl)-2-propenoic acid, 9Cl

Synonym(s): 3,4-Dichlorocinnamic acid, 8Cl

CAS Registry Number: 1202-39-7

Related CAS Registry Numbers(s): 40950-94-5 52807-90-6

Molecular Formula: C₉H₆Cl₂O₂

Molecular Weight: 217.051

Accurate Mass: 215.974484

Percentage Composition: C 49.80%; H 2.79%; Cl 32.67%; O 14.74%

Aldrich: 14470-3

Sigma: D2771

>>Variant: (*E*)-form

CAS Registry Number: 7312-27-8

Molecular Formula: C₉H₆Cl₂O₂

Molecular Weight: 217.051

Accurate Mass: 215.974484

Percentage Composition: C 49.80%; H 2.79%; Cl 32.67%; O 14.74%

Melting Point: Mp 223°

>>Derivative: Et ester

Molecular Formula: C₁₁H₁₀Cl₂O₂

Molecular Weight: 245.104

Accurate Mass: 244.005784

Percentage Composition: C 53.90%; H 4.11%; Cl 28.93%; O 13.06%

Melting Point: Mp 56°

Boiling Point: Bp₂ 156°

>>Derivative: Chloride

CAS Registry Number: 39156-98-4

Molecular Formula: C₉H₅Cl₃O

Molecular Weight: 235.496

Accurate Mass: 233.940596

Percentage Composition: C 45.90%; H 2.14%; Cl 45.16%; O 6.79%

Melting Point: Mp 59.5-60°

>>Variant: (*Z*)-form

CAS Registry Number: 20595-52-2

Molecular Formula: C₉H₆Cl₂O₂

Molecular Weight: 217.051

Accurate Mass: 215.974484

Percentage Composition: C 49.80%; H 2.79%; Cl 32.67%; O 14.74%

Melting Point: Mp 127-128°

>>Derivative: Et ester

Melting Point: Mp 34.4-35.1°

>>Derivative: Nitrile

CAS Registry Number: 58177-58-5

Molecular Formula: C₉H₅Cl₂N

Molecular Weight: 198.051

Accurate Mass: 196.979903

Percentage Composition: C 54.58%; H 2.54%; Cl 35.80%; N 7.07%

Melting Point: Mp 60-60.5°

References: