>>**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: $C_9H_6Cl_2O_2$
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: $C_9H_6Cl_2O_2$
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: $C_{11}H_{10}Cl_2O_2$
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: Bp_2 156°

>>**Derivative:** Chloride

CAS Registry Number: 39156-98-4
Molecular Formula: $C_9H_5Cl_3O$
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: $C_9H_6Cl_2O_2$
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: $C_9H_5Cl_2N$
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: