>>**Entry Name: 2,3-Dichloro-3-phenyl-2-propenoic acid,** 9Cl
Synonym(s): α,β-Dichlorocinnamic acid



(*E*)-*form*

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%

>>**Variant:** (*E*)-form

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 105-107°

>>**Derivative:** Me ester

CAS Registry Number: 79977-74-5
Molecular Formula: $C_{10}H_8Cl_2O_2$
Molecular Weight: 231.077
Accurate Mass: 229.990134
Percentage Composition: C 51.98%; H 3.49%; Cl 30.68%; O 13.85%
Boiling Point: Bp_{16} 151°

>>**Derivative:** Chloride

CAS Registry Number: 829-15-2
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%
Boiling Point: $Bp_{0.3}$ 91°

>>**Variant:** (*Z*)-form

CAS Registry Number: 708-85-0
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 122°

>>**Derivative:** Me ester

CAS Registry Number: 79977-73-4
Boiling Point: Bp_{19} 149-150°

>>**Derivative:** Chloride

CAS Registry Number: 58316-86-2
Boiling Point: Bp_{14} 127-137°

References:

Mangini, A. *et al.*, *Gazz. Chim. Ital.*, 1958, **88**, 1081, *(synth, uv)*
Boberg, F.*, Annalen*, 1964, **678**, 67, *(synth)*