>>**Entry Name: 4-Chloro-3-oxobutanoic acid**
Synonym(s): 4-Chloro-3-hydroxy-2-butenoic acid. 4-Chloroacetoacetic acid

CAS Registry Number: 27807-84-7
$ClCH_2COCH_2COOH$<< >>$ClCH_2C(OH)=CHCOOH$

Molecular Formula: $C_4H_5ClO_3$
Molecular Weight: 136.534
Accurate Mass: 135.992722
Percentage Composition: C 35.19%; H 3.69%; Cl 25.97%; O 35.15%
Physical Description: Cryst. (C_6H_6/petrol or by subl.)
Melting Point: Mp 67-69°
Boiling Point: $Subl._{0.001}$ 55-58°

>>**Derivative:** Me ester

CAS Registry Number: 32807-28-6
Molecular Formula: $C_5H_7ClO_3$
Molecular Weight: 150.561
Accurate Mass: 150.008372
Percentage Composition: C 39.89%; H 4.69%; Cl 23.55%; O 31.88%
Use/Importance: Pharmaceutical intermed.
Physical Description: Liq.
Boiling Point: Bp_{11} 96-97°. Bp_4 85°
Density: d_4^{20}1.31
Refractive Index: n_D^{20} 1.4560
Hazard & Toxicity: Lachrymator. Irritant. Highly toxic by inhalation or skin absorption

Aldrich: 24586-0
Fluka: 22818

>>**Derivative:** Et ester

CAS Registry Number: 638-07-3

Molecular Formula: $C_6H_9ClO_3$
Molecular Weight: 164.588
Accurate Mass: 164.024022
Percentage Composition: C 43.79%; H 5.51%; Cl 21.54%; O 29.16%
Use/Importance: Shows fungicidal props.
Physical Description: Liq.
Melting Point: Fp –8°
Boiling Point: Bp 220° dec.. Bp_{11} 101°
Solubility: Sol. org. solvs.; prac. insol. H_2O
Density: d_4^{20}1.22
Other Data: Turns yellow on standing. Irritant to skin and mucous membranes
Hazard & Toxicity: Irritant. Highly toxic by inhalation or skin absorption

Aldrich: 18076-9
Fluka: 22813

>>**Derivative:** Chloride

CAS Registry Number: 41295-64-1
Molecular Formula: $C_4H_4Cl_2O_2$
Molecular Weight: 154.98
Accurate Mass: 153.958834
Percentage Composition: C 31.00%; H 2.60%; Cl 45.75%; O 20.65%
Use/Importance: Pharmaceutical intermed.

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

Molecular Formula: $C_4H_5ClO_3$
Molecular Weight: 136.534
Accurate Mass: 135.992722
Percentage Composition: C 35.19%; H 3.69%; Cl 25.97%; O 35.15%