



>>Entry Name: 5-Chloro-4-oxopentanoic acid, 9CI

CAS Registry Number: 60254-71-9

ClCH2COCH2CH2COOH

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%

Melting Point: Mp 68-70°

>>Derivative: Me ester

CAS Registry Number: 62024-36-6

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%

Physical Description: Yellowish oil

Boiling Point: Bp_{0.6} 88-92°

>>Derivative: Et ester

CAS Registry Number: 5205-39-0

Molecular Formula: $C_7H_{11}ClO_3$

Molecular Weight: 178.615

Accurate Mass: 178.039672

Percentage Composition: C 47.07%; H 6.21%; Cl 19.85%; O 26.87%

Physical Description: Liq.

Boiling Point: Bp_{0.5} 92-102° (bulb)

References:

Bloxam, D.P. *et al.*, *Biochem. J.*, 1976, **159**, 201-211; 1978, **175**, 999-1011, (*synth, pmr*)

Montforts, F.P. *et al.*, *Annalen*, 1990, 1037-1043, (*Me ester, synth, ir, pmr, ms*)

Appleton, D. *et al.*, *J.C.S. Perkin 1*, 1998, 89-101, (*synth, Et ester, pmr, cmr, ms*)