



>>Entry Name: 3-Chloro-2,4-pentanedione, 8Cl

Synonym(s): 3-Chloroacetylacetone

CAS Registry Number: 1694-29-7

H3CCOCHClCOCH3

Molecular Formula: C5H7ClO2

Molecular Weight: 134.562

Accurate Mass: 134.013457

Percentage Composition: C 44.63%; H 5.24%; Cl 26.35%; O 23.78%

Boiling Point: Bp₂₈ 56-59°. Bp₁₈ 49-52°

Density: d 1.13

Refractive Index: n_D 1.4830

Aldrich: 22715-3

Fluka: 25775

References:

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Nonhebel, D.C., *Tetrahedron*, 1968, **24**, 1869-1874, (*pmr*)

Tanaka, M. *et al.*, *Bull. Chem. Soc. Jpn.*, 1969, **42**, 3190-3194, (*synth*)

Hammel, J.C. *et al.*, *J.C.S.(A)*, 1969, 3000-3002, (*pmr*, *cmr*, *Cl-35 nmr*)

Verhe, R. *et al.*, *Bull. Soc. Chim. Belg.*, 1978, **87**, 143-152, (*synth*)

Harries, H.J. *et al.*, *Inorg. Chim. Acta*, 1978, **31**, 233-236, (*ms*)

Tayyori, S.F. *et al.*, *Spectrochim. Acta A*, 1979, **35**, 1265-1276, (*ir*)