



>>Entry Name: 4-Chloro-1-indanone, 8Cl

Synonym(s): 4-Chloro-2,3-dihydro-1*H*-inden-1-one, 9Cl

CAS Registry Number: 15115-59-0

Molecular Formula: C₉H₇ClO

Molecular Weight: 166.606

Accurate Mass: 166.018542

Percentage Composition: C 64.88%; H 4.23%; Cl 21.28%; O 9.60%

Physical Description: Solid (Et₂O/petrol)

Melting Point: Mp 93-94° (90-90.5°)

Boiling Point: Bp₅ 123-124°

References:

Fieser, L.F. *et al.*, *J.A.C.S.*, 1937, **59**, 394-398, (*synth*)

Barnes, R.A. *et al.*, *J.A.C.S.*, 1949, **71**, 2644-2647, (*synth*)

Olivier, M. *et al.*, *Bull. Soc. Chim. Fr.*, 1973, 3096-3099, (*synth, pmr, ir*)

Nakada, Y. *et al.*, *Agric. Biol. Chem.*, 1978, **42**, 1357-1364, (*synth*)

Berrier, C. *et al.*, *Tetrahedron*, 1984, **40**, 4973-4979, (*synth, pmr, ms*)

Takeuchi, R. *et al.*, *J.O.C.*, 1993, **58**, 5386-5392, (*synth, pmr, cmr, ir*)