



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

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

CAS Registry Number: 24644-78-8

Molecular Formula: C₁₀H₁₀O

Molecular Weight: 146.188

Accurate Mass: 146.073165

Percentage Composition: C 82.16%; H 6.89%; O 10.94%

Physical Description: Needles (petrol)

Melting Point: Mp 101-102° (95°)

Boiling Point: Bp₅ 120°

Other Data: Steam-volatile

Aldrich: 43304-7

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Orange-red needles

Melting Point: Mp 294 dec.°

>>Derivative: Semicarbazone

Melting Point: Mp 260 dec.°

References:

Elsner, B.B. *et al.*, *J.C.S.*, 1957, 592-600, (*synth*)

Money, T. *et al.*, *J.C.S.*, 1961, 3958-3962, (*synth*)

Harvey, R.G. *et al.*, *J.O.C.*, 1982, **47**, 2120-2125, (*synth*, *pmr*)

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

Tombari, D.G. *et al.*, *Org. Prep. Proced. Int.*, 1995, **27**, 671-674, (*synth*)

Zhang, X. *et al.*, *J. Med. Chem.*, 1997, **40**, 3014-3024, (*synth*, *pmr*, *ir*)