



>>Entry Name: 6-Chloro-1-indanone, 8Cl

Synonym(s): 6-Chloro-2,3-dihydro-1*H*-inden-1-one, 9Cl

CAS Registry Number: 14548-38-0

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: Cryst. (petrol)

Melting Point: Mp 81° (79-80°)

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 310°

References:

Seka, R. *et al.*, *Ber.*, 1942, **75**, 1730-1738, (*synth*)

Mirek, J., *Pol. J. Chem. (Rocz. Chem.)*, 1961, **35**, 533-539; *CA*, **55**, 25873r, (*synth, deriv*)

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

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