



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

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

CAS Registry Number: 24623-20-9

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 64-65°

Boiling Point: Bp₁₁ 124-126°

Aldrich: 42373-4

>>Derivative: Oxime

Molecular Formula: C₁₀H₁₁NO

Molecular Weight: 161.203

Accurate Mass: 161.084064

Percentage Composition: C 74.51%; H 6.88%; N 8.69%; O 9.93%

Melting Point: Mp 161-162°

>>Derivative: Semicarbazone

Physical Description: Needles (MeOH)

Melting Point: Mp 256° (228-230°)

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 296-297°

References:

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Huisgen, R. *et al.*, *Monatsh. Chem.*, 1957, **88**, 517-540, (*synth*)

Ohkata, K. *et al.*, *J.O.C.*, 1984, **49**, 2517-2520, (*synth*, *pmr*)

Collins, M.J. *et al.*, *Aust. J. Chem.*, 1990, **43**, 1547-1557, (*synth*, *pmr*)

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

Horwell, D.C. *et al.*, *Tetrahedron*, 1995, **51**, 203-216, (*synth*, *ir*, *pmr*)

Showalter, H.D.H. *et al.*, *J. Het. Chem.*, 2001, **38**, 961-964, (*synth*)