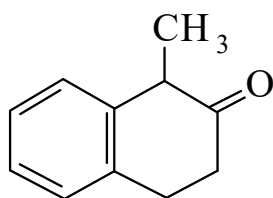




>>Entry Name: 3,4-Dihydro-1-methyl-2(1H)-naphthalenone, 9Cl, 8Cl

Synonym(s): 1-Methyl-2-tetralone



CAS Registry Number: 4024-14-0

Related CAS Registry Numbers(s): 200425-80-5 200425-81-6

Molecular Formula: C₁₁H₁₂O

Molecular Weight: 160.215

Accurate Mass: 160.088815

Percentage Composition: C 82.46%; H 7.55%; O 9.99%

Aldrich: M8290-6

>>Variant: (±)-form

CAS Registry Number: 58912-71-3

Molecular Formula: C₁₁H₁₂O

Molecular Weight: 160.215

Accurate Mass: 160.088815

Percentage Composition: C 82.46%; H 7.55%; O 9.99%

Physical Description: Oil

Boiling Point: Bp 261°. Bp₃ 98°

>>Derivative: Semicarbazone

Physical Description: Cryst. (EtOH)

Melting Point: Mp 202°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 3B, (*ir*)

Aldrich Atlas of IR Spectra, 2nd Ed., 743C, (*ir*)

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 792B, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1224A, (*ir*)

Stork, G. *et al.*, *J.A.C.S.*, 1963, **85**, 207-222, (*synth*)

Wenkert, E. *et al.*, *Chem. Ind. (London)*, 1967, 1252, (*synth*, *pmr*)

Nasipuri, D. *et al.*, *J.C.S. Perkin 1*, 1977, 2558-2559, (*synth*)

Schneider, H.J. *et al.*, *Org. Magn. Reson.*, 1984, **22**, 180-186, (*cmr*, *conformn*)

Koppes, M.J.C.M. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1988, **107**, 549-562, (*synth*, *ir*, *pmr*)

Kirkiacharian, B.S. *et al.*, *Synth. Commun.*, 1993, **23**, 737-742, (*synth*)