



>>Entry Name: 3,4-Dihydro-7-methyl-1(2H)-naphthalenone, 9Cl, 8Cl

Synonym(s): 7-Methyl-1-tetralone

CAS Registry Number: 22009-37-6

Structure by analogy with 3,4-Dihydro-4-methyl-1(2H)-naphthalenone, [DXK82-H](#)

Molecular Formula: C₁₁H₁₂O

Molecular Weight: 160.215

Accurate Mass: 160.088815

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

Melting Point: Mp 35-36°

Boiling Point: Bp₁ 122-124°

>>Derivative: Oxime

Molecular Formula: C₁₁H₁₃NO

Molecular Weight: 175.23

Accurate Mass: 175.099714

Percentage Composition: C 75.40%; H 7.48%; N 7.99%; O 9.13%

Melting Point: Mp 102°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 74284-98-3

Melting Point: Mp 279°

>>Derivative: Semicarbazone

Melting Point: Mp 225°

References:

Wenham, A.J.M. *et al.*, *J.C.S.*, 1956, 3857, (*synth*)

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

Gensler, W.J. *et al.*, *J.O.C.*, 1962, **27**, 857, (*synth*)

Jackman, L.M. *et al.*, *J.A.C.S.*, 1974, **96**, 5130, (*synth*)

Burnham, J.W. *et al.*, *J.O.C.*, 1974, **39**, 1416, (*synth*)

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