



>>Entry Name: 3,4-Dihydro-7-hydroxy-2(1*H*)-naphthalenone, 9CI

Synonym(s): 7-Hydroxy-2-tetralone

CAS Registry Number: 37827-68-2

Structure by analogy with 3,4-Dihydro-5-hydroxy-2(1*H*)-naphthalenone, [KCT28-W](#)

Molecular Formula: C₁₀H₁₀O₂

Molecular Weight: 162.188

Accurate Mass: 162.06808

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

>>Derivative: Me ether

Synonym(s): 7-Methoxy-2-tetralone

CAS Registry Number: 4133-34-0

Molecular Formula: C₁₁H₁₂O₂

Molecular Weight: 176.215

Accurate Mass: 176.08373

Percentage Composition: C 74.98%; H 6.86%; O 18.16%

Melting Point: Mp 27-28°

Boiling Point: Bp_{2,3} 130-136°

Aldrich: 16418-6

Fluka: 65349

>>Derivative: Me ether, semicarbazone

Melting Point: Mp 174-176°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 797A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 4A, (*ir*)

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

Diamond, G.B. *et al.*, *J.A.C.S.*, 1952, **74**, 4126, (*synth*)

Ames, D.E. *et al.*, *J.C.S.*, 1965, 2636, (*synth*)

Oommen, P.K., *Aust. J. Chem.*, 1976, **29**, 1393, (*synth*)

Cymerman Craig, J. *et al.*, *J. Med. Chem.*, 1989, **32**, 961, (*synth, pmr*)