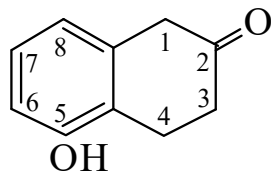




>>Entry Name: 3,4-Dihydro-5-hydroxy-2(1*H*)-naphthalenone, 9CI

Synonym(s): 5-Hydroxy-2-tetralone



CAS Registry Number: 35697-10-0

Molecular Formula: C₁₀H₁₀O₂

Molecular Weight: 162.188

Accurate Mass: 162.06808

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

Melting Point: Mp 156-159°

>>Derivative: Me ether

Synonym(s): 3,4-Dihydro-5-methoxy-2(1*H*)-naphthalenone, 9CI. 5-Methoxy-2-tetralone

CAS Registry Number: 32940-15-1

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 36°

Boiling Point: Bp_{1.1} 118-124°

>>Derivative: Me ether, oxime

Molecular Formula: C₁₁H₁₃NO₂

Molecular Weight: 191.229

Accurate Mass: 191.094629

Percentage Composition: C 69.09%; H 6.85%; N 7.32%; O 16.73%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 134-135°

References:

Cornforth, J.W. *et al.*, *J.C.S.*, 1949, 1855, (*synth*)

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

Jilek, J.O. *et al.*, *Coll. Czech. Chem. Comm.*, 1971, **36**, 3300, (*synth*)

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

Manitto, P. *et al.*, *Tetrahedron*, 1995, **51**, 11531, (*synth, pmr, cmr*)