



>>Entry Name: 2-Naphthalenemethanol, 9Cl, 8Cl

Synonym(s): 2-(Hydroxymethyl)naphthalene. 2-Naphthylcarbinol

CAS Registry Number: 1592-38-7

Molecular Formula: C₁₁H₁₀O

Molecular Weight: 158.199

Accurate Mass: 158.073165

Percentage Composition: C 83.52%; H 6.37%; O 10.11%

Physical Description: Cryst. (EtOH or hexane)

Melting Point: Mp 80°

Aldrich: 18731-3

>>Derivative: Ac

CAS Registry Number: 35480-23-0

Molecular Formula: C₁₃H₁₂O₂

Molecular Weight: 200.237

Accurate Mass: 200.08373

Percentage Composition: C 77.98%; H 6.04%; O 15.98%

Melting Point: Mp 51-53°

Boiling Point: Bp₄ 153-155°

>>Derivative: Benzoyl

CAS Registry Number: 38418-15-4

Molecular Formula: C₁₈H₁₄O₂

Molecular Weight: 262.307

Accurate Mass: 262.09938

Percentage Composition: C 82.42%; H 5.38%; O 12.20%

Melting Point: Mp 64°

>>Derivative: Me ether

Synonym(s): 2-(Methoxymethyl)naphthalene

CAS Registry Number: 42101-92-8

Molecular Formula: C₁₂H₁₂O

Molecular Weight: 172.226

Accurate Mass: 172.088815

Percentage Composition: C 83.69%; H 7.02%; O 9.29%

Boiling Point: Bp_{1.3} 113°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1149D, (*ir*)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 380A, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1073A, (*ir*)

Hauser, C.R. *et al.*, *J.O.C.*, 1958, **23**, 354-358, (*synth*)

Ouellette, R.J. *et al.*, *Tetrahedron*, 1969, **25**, 819-825, (*pmr, conformn*)

Schwarz, H. *et al.*, *Org. Mass Spectrom.*, 1973, **7**, 29-35, (*ms*)

Eisch, J.J. *et al.*, *J.O.C.*, 1982, **47**, 5051, (*synth*)

Gellert, E. *et al.*, *Aust. J. Chem.*, 1983, **36**, 157-163, (*synth*)

Lau, C.K. *et al.*, *J.O.C.*, 1986, **51**, 3038-3043, (*synth*)

Solladié-Cavallo, A. *et al.*, *J.O.C.*, 1995, **60**, 3494-3498, (*synth, ir, pmr, cmr*)

Graffner-Nordberg, M. *et al.*, *Chem. Pharm. Bull.*, 1998, **46**, 591-601, (*benzoyl, synth, ir, pmr, cmr*)