



>>>Derivative: 1-Naphthyl ether

CAS Registry Number: 87144-72-7

Extra CAS Registry Numbers(s): 2461-42-9

Molecular Formula: C₁₃H₁₂O₂

Molecular Weight: 200.237

Accurate Mass: 200.08373

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

Physical Description: Liq.

Boiling Point: Bp₁ 150-160°

Refractive Index: n_D²⁴ 1.6112

UV: [neutral] λ_{max} 290 (ε 4700) (no solvent reported)

References:

- Aldrich Library of FT-IR Spectra*, 1st edn., 1985, **1**, 232B, (ir)
Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 370C; 372C, (nmr)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 305A; 305B; 306A, (ir)
Rider, T.H. *et al.*, *J.A.C.S.*, 1930, **52**, 1521, (synth)
Grummit, O. *et al.*, *J.A.C.S.*, 1944, **66**, 1229, (lauryl ether)
Flores-Gallardo, H. *et al.*, *J.O.C.*, 1947, **12**, 831-833, (butyl ether, synth)
Ulbrich, V. *et al.*, *Coll. Czech. Chem. Comm.*, 1964, **29**, 1466-1475, (ethers, synth)
Gibb, T.B. *et al.*, *J. Chem. Eng. Data*, 1966, **11**, 266-267, (ir, pmr, ethers)
Sandler, R.S. *et al.*, *J. Polym. Sci., Part A-1*, 1966, **4**, 1253, (polym)
Novak, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1967, **32**, 3794-3799, (butyl ether, synth)
Pierre, J.L. *et al.*, *Bull. Soc. Chim. Fr.*, 1969, 2868, (pmr)
Lok, C.M. *et al.*, *Chem. Phys. Lipids*, 1976, **16**, 115, (synth)
Shapiro, M.J., *J.O.C.*, 1977, **42**, 1434, (cmr)
Wyrick, S.D. *et al.*, *J. Med. Chem.*, 1978, **21**, 368-390, (4-nitrophenyl ether, 4-methylphenyl ether)
DiMenna, W.S. *et al.*, *J. Med. Chem.*, 1978, **21**, 1073-1076, (4-chlorophenyl)
Brown, R.M. *et al.*, *Org. Mass Spectrom.*, 1980, **15**, 578-581, (ms, ethers)
Garrido Espinasa, F. *et al.*, *An. Quim., Ser. C*, 1981, **77**, 22-27, (ir, pmr, ether)
Hirth, G. *et al.*, *Helv. Chim. Acta*, 1982, **65**, 1059-1084, (octadecyl ether)
Mouzin, G. *et al.*, *Synthesis*, 1983, 117-119, (ethers)
Vandenberg, E.J. *et al.*, *J. Polym. Sci., Polym. Chem. Ed.*, 1985, **23**, 915, (anionic polym)
Miyano, S. *et al.*, *J.O.C.*, 1985, **50**, 4350-4360, (1-naphthyl ether)
Gao, Y. *et al.*, *J.A.C.S.*, 1987, **109**, 5765, (esters, synth, ir, pmr)
Burgos, C.E. *et al.*, *J.O.C.*, 1987, **52**, 4973, (S-form)
Klunder, J.M. *et al.*, *J.O.C.*, 1989, **54**, 1295-1304, (4-methylbenzenesulfonyl, 3-nitrobenzenesulfonyl)
Takano, S. *et al.*, *Heterocycles*, 1990, **31**, 1555-1563; 1992, **34**, 173-180, (4-methoxyphenyl ether, synth, pmr, resolu)
Li, W.Y. *et al.*, *J. Chromatogr.*, 1990, **509**, 303-324, (butyl ether, chiral glc)
Morgan, T.K. *et al.*, *J. Med. Chem.*, 1990, **33**, 1087-1090; 1091-1097, (4-nitrophenyl ether)
Cimetiere, B. *et al.*, *Bull. Soc. Chim. Fr.*, 1991, 926-938, (synth, pmr, cmr, rev, derivs)
Bevinakatti, H.S. *et al.*, *J.O.C.*, 1991, **56**, 5372-5375, (1-naphthyl ether)
Fu, H. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1991, **110**, 167-170, (butyl ether, synth, pmr)
Marstokk, K.M. *et al.*, *Acta Chem. Scand.*, 1992, **46**, 432, (ir, conformn)
Takano, S. *et al.*, *Heterocycles*, 1992, **34**, 173-180, (4-methoxyphenyl ether)
Liu, Z.-Z. *et al.*, *Synth. Commun.*, 1994, **14**, 833-838, (2-methylphenyl ether)
Chemical Hazards of the Workplace, 2nd edn., (eds. Proctor, N.H. *et al.*), J.B. Lippincott, 1988, 265
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 4th edn., Butterworths, 1990, 1154
Luxon, S.G., *Hazards in the Chemical Laboratory*, 5th edn., Royal Society of Chemistry, 1992, 571
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, BRK750; IPD000; GGW500