



>>Derivative: Butyl ether
Synonym(s): 2-Butoxyaniline

CAS Registry Number: 4469-81-2
Molecular Formula: $C_{10}H_{15}NO$
Molecular Weight: 165.235
Accurate Mass: 165.115364
Percentage Composition: C 72.69%; H 9.15%; N 8.48%; O 9.68%
Physical Description: Liq.
Boiling Point: Bp_2 115°

>>Derivative: Ph ether

>>Derivative: Trifluoromethyl ether
Synonym(s): 2-(Trifluoromethoxy)aniline

CAS Registry Number: 1535-75-7
Molecular Formula: $C_7H_6F_3NO$
Molecular Weight: 177.126
Accurate Mass: 177.040148
Percentage Composition: C 47.47%; H 3.41%; F 32.18%; N 7.91%; O 9.03%
Boiling Point: Bp_{15} 61-63°
pKa Value: pK_a 2.44 (25°, H_2O)
Refractive Index: n_D^{25} 1.4601

References:

- Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **1**, 1195D; **2**, 356C, (*ir*)
Aldrich Library of ^{13}C and 1H FT NMR Spectra, 1992, **2**, 463C; 1362A, (*nmr*)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1115D, (*ir*)
Aldrich Library of IR Spectra, **2**, 633F, (*ir*)
Aldrich Library of NMR Spectra, **5**, 45C, (*pmr*)
Lees, N. *et al.*, *J.C.S.*, 1903, **83**, 756, (*N-Me*)
Smets, G. *et al.*, *Bull. Soc. Chim. Belg.*, 1947, **56**, 106-133, (*N-benzylidene, synth, uv*)
Anderson, W. *et al.*, *J.C.S.*, 1949, 2668, (*N-Me*)
Boothroyd, B. *et al.*, *J.C.S.*, 1953, 1499-1504, (*N-benzyl*)
Grammaticakis, M.P., *C. R. Hebd. Seances Acad. Sci.*, 1956, **243**, 1887-1888, (*N-benzylidene, synth, uv*)
Forbes, W.F. *et al.*, *Can. J. Chem.*, 1958, **36**, 1371; 1959, **37**, 1294, (*uv*)
Anzai, K. *et al.*, *J. Antibiot., Ser. A*, 1960, **13**, 125, (*isol*)
Neilson, T. *et al.*, *J.C.S.*, 1962, 371, (*synth*)
Sheppard, W.A., *J.O.C.*, 1964, **29**, 1, (*trifluoromethyl ether*)
Portnaya, B.S. *et al.*, *Zh. Org. Khim.*, 1965, 2202, (*synth*)
de Courville, A., *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1966, **262**, 1196
Gupta, S.R. *et al.*, *Z. Naturforsch., B*, 1970, **25**, 1090-1094, (*N-benzylidene*)
Pfeifer, S. *et al.*, *Pharmazie*, 1972, **27**, 536-542, (*isol*)
Crochet, N.A. *et al.*, *J.O.C.*, 1974, **39**, 3094, (*N-Me*)
Vogel, A.I., *Practical Organic Chemistry*, 4th Ed., Longmans, 1978, 662, (*synth*)
Korp, J.D. *et al.*, *J. Cryst. Mol. Struct.*, 1981, **11**, 117, (*cryst struct*)
Fujita, M. *et al.*, *Chem. Pharm. Bull.*, 1982, **30**, 1151, (*cmr*)
Ide, S. *et al.*, *Anal. Chim. Acta*, 1983, **149**, 235, (*synth, use*)
Kunimura, S. *et al.*, *Macromolecules*, 1988, **21**, 894, (*electrochem polym*)
Kirk-Othmer Encycl. Chem. Technol., 4th edn., Wiley, 1991, **2**, 580, (*rev*)
Oclarit, J.M. *et al.*, *Fish Sci.*, 1994, **60**, 559, (*isol*)
Diéz-Barra, E. *et al.*, *Synth. Commun.*, 1994, **24**, 945, (*butyl ether*)
Pusecker, K. *et al.*, *J. Antibiot.*, 1997, **50**, 479, (*N-Ac, isol, ir, pmr, ms*)
Luxon, S.G., *Hazards in the Chemical Laboratory*, 5th edn., Royal Society of Chemistry, 1992, 53
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, ALT000; HIL000