



>>Entry Name: 2-(Phenylamino)ethanol, 9CI

Synonym(s): 2-Anilinoethanol, 8CI. *N*-(2-Hydroxyethyl)aniline

CAS Registry Number: 122-98-5

PhNHCH₂CH₂OH

Molecular Formula: C₈H₁₁NO

Molecular Weight: 137.181

Accurate Mass: 137.084064

Percentage Composition: C 70.04%; H 8.08%; N 10.21%; O 11.66%

Boiling Point: Bp 286°. Bp₁₇ 167°

Solubility: Spar. sol. H₂O

Hazard & Toxicity: Fl. p. 152° (oc). Skin and severe eye irritant. LD₅₀ (rat, orl) 2230 mg/kg. LD₅₀ (rbt, skn) 63 mg/kg

Aldrich: 15687-6

Fluka: 54265

>>Derivative: Picrate

Melting Point: Mp 124°

>>Derivative: *N*-Me

Synonym(s): 2-(Methylphenylamino)ethanol. 2-(*N*-Methylanilino)ethanol, 8CI

CAS Registry Number: 93-90-3

Molecular Formula: C₉H₁₃NO

Molecular Weight: 151.208

Accurate Mass: 151.099714

Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%

Boiling Point: Bp₄ 150°

>>Derivative: *N*-Et

Synonym(s): 2-(*N*-Ethylanilino)ethanol

CAS Registry Number: 92-50-2

Molecular Formula: C₁₀H₁₅NO

Molecular Weight: 165.235

Accurate Mass: 165.115364

Percentage Composition: C 72.69%; H 9.15%; N 8.48%; O 9.68%

Melting Point: Mp 36-38°

Boiling Point: Bp 268°

Aldrich: 11768-4

Rare Chemicals Library: S41237-6

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 457A; 457B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1192B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1112B; 1112C, (*ir*)

Schreiber, R., *Ber.*, 1891, **24**, 192, (*synth*)

Butler, C.L. *et al.*, *J.A.C.S.*, 1938, **60**, 1582, (*synth*)

Wilson, W. *et al.*, *J.C.S.*, 1952, 3524, (*N-Me*)

Koch, U. *et al.*, *Z. Chem.*, 1973, **13**, 15, (*N-Me, synth, ir, pmr*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AOR750