



>>Entry Name: 2-Benzylaminoethanol

Synonym(s): 2-[(Phenylmethyl)amino]ethanol, 9CI. *N*-Benzylethanolamine

CAS Registry Number: 104-63-2

Related CAS Registry Numbers(s): 7545-20-2

PhCH2NHCH2CH2OH

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%

Use/Importance: Reagent for capillary gc detn. of formaldehyde in air

Physical Description: Oil

Boiling Point: Bp₂₀ 167-169°. Bp_{0.5} 106-107°

Density: d²⁰ 1.5086

Refractive Index: n_D²⁰ 1.5442

Aldrich: B2200-3

Fluka: 13200

>>Derivative: Hydrochloride

CAS Registry Number: 58576-72-0

Melting Point: Mp 94-95°

>>Derivative: Picrate

CAS Registry Number: 14342-74-6

Melting Point: Mp 134°

>>Derivative: *N*-Me

CAS Registry Number: 101-98-4

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%

Boiling Point: Bp₂ 95-105°

Density: d 1.02

Aldrich: 36641-2

Rare Chemicals Library: S42946-5

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 585A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1276D, (*ir*)

Hunt, J.H. *et al.*, *J.C.S.*, 1957, 2073, (*synth*)

Castro, B. *et al.*, *Bull. Soc. Chim. Fr.*, 1971, 4368, (*synth*)

Kennedy, E.R. *et al.*, *Anal. Chem.*, 1982, **54**, 1739, (*use*)

Priha, E. *et al.*, *Anal. Chem.*, 1986, **58**, 1195, (*use*)