



>>Entry Name: 6-Amino-1-hexanol

CAS Registry Number: 4048-33-3

$\text{H}_2\text{NCH}_2(\text{CH}_2)_4\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_6\text{H}_{15}\text{NO}$

Molecular Weight: 117.191

Accurate Mass: 117.115364

Percentage Composition: C 61.49%; H 12.90%; N 11.95%; O 13.65%

Melting Point: Mp 56-58°

Boiling Point: Bp₃₀ 135-140°

Aldrich: A5635-3

Fluka: 8053

Sigma: A1643

>>Derivative: *N*-Me

Synonym(s): 6-(Methylamino)-1-hexanol, 9CI

CAS Registry Number: 50347-17-6

Molecular Formula: $\text{C}_7\text{H}_{17}\text{NO}$

Molecular Weight: 131.217

Accurate Mass: 131.131014

Percentage Composition: C 64.07%; H 13.06%; N 10.67%; O 12.19%

Boiling Point: Bp_{11.5} 123°

Density: d_4^{23} 0.91

Refractive Index: n_D 1.4559

Other: PB M10990

>>Derivative: *N,N*-Di-Et

Synonym(s): 6-(Diethylamino)-1-hexanol

CAS Registry Number: 6947-12-2

Molecular Formula: $\text{C}_{10}\text{H}_{23}\text{NO}$

Molecular Weight: 173.298

Accurate Mass: 173.177964

Percentage Composition: C 69.31%; H 13.38%; N 8.08%; O 9.23%

Boiling Point: Bp₅ 115-117°

Other: PB D20450

References:

- Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **1**, 339B, (*ir*)
Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **1**, 540C, (*nmr*)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 429C, (*ir*)
Franzen, V., *Chem. Ber.*, 1957, **90**, 623, (*N,N*-di-Et)
Makay, A.F. *et al.*, *Can. J. Chem.*, 1958, **36**, 147, (*synth*)
Rice, R.G. *et al.*, *J.O.C.*, 1958, **23**, 1352, (*synth*)
Moshkin, P.A., *CA*, 1959, **53**, 15049h, (*synth*)
Barbry, D. *et al.*, *Bull. Soc. Chim. Fr.*, 1975, 2315, (*N-Me*)
Davis, D.V. *et al.*, *Org. Mass Spectrom.*, 1981, **16**, 176, (*ms*)