



>>Entry Name: Diethylmethylanine

Synonym(s): *N*-Ethyl-*N*-methylethanamine, 9Cl. *N*-Methyldiethylamine

CAS Registry Number: 616-39-7

Et₂NMe

Molecular Formula: C₅H₁₃N

Molecular Weight: 87.164

Accurate Mass: 87.104799

Percentage Composition: C 68.90%; H 15.03%; N 16.07%

Boiling Point: Bp 66-67° (63-65°)

Solubility: Sol. H₂O

pKa Value: pK_a 3.57 (25°)

Aldrich: D9820-3

Fluka: 32441

Sigma: D4901

>>Derivative: Hydrochloride

CAS Registry Number: 51211-54-2

Physical Description: Deliquescent

Melting Point: Mp 178.5°

Solubility: Sol. EtOH, CHCl₃, insol. Et₂O

>>Derivative: Picrate

Physical Description: Prisms (H₂O)

Melting Point: Mp 185°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 481A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 299D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 383D, (*ir*)

Meyer, V. *et al.*, *Annalen*, 1876, **180**, 184, (*synth*)

Collie, N. *et al.*, *J.C.S.*, 1890, **57**, 779, (*synth*)

Emmert, B., *Ber.*, 1909, **42**, 1509, (*synth*)