



>>Entry Name: *N,N*-Dibutylaniline

Synonym(s): *N,N*-Dibutylbenzenamine, 9CI

CAS Registry Number: 613-29-6

PhN(CH₂CH₂CH₂CH₃)₂

Molecular Formula: C₁₄H₂₃N

Molecular Weight: 205.342

Accurate Mass: 205.183049

Percentage Composition: C 81.89%; H 11.29%; N 6.82%

Physical Description: Liq.

Boiling Point: Bp 271°. Bp_{3.5} 103.5-106°

pKa Value: pK_{a1} 6.3 (19°)

Hazard & Toxicity: Fl. p. 110°

Aldrich: 30446-8

>>Derivative: Hydrochloride

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 152.5-153.5°

>>Derivative: Picrate

Melting Point: Mp 124°

References:

Slotta, K.H. *et al.*, *Ber.*, 1930, **63**, 678

Bunnett, J.F. *et al.*, *J.O.C.*, 1957, **22**, 832

Wepster, B.M. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1958, **77**, 1080

Biehl, E.R. *et al.*, *J.O.C.*, 1972, **37**, 137, (*synth*)

Yoshihisa, W. *et al.*, *Chem. Lett.*, 1974, 1265, (*synth*)

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