



>>Entry Name: *N,N*-Diethylformamide, 9CI

Synonym(s): Formyldiethylamine

CAS Registry Number: 617-84-5

HCONEt₂

Molecular Formula: C₅H₁₁NO

Molecular Weight: 101.148

Accurate Mass: 101.084064

Percentage Composition: C 59.37%; H 10.96%; N 13.85%; O 15.82%

Physical Description: Liq.

Boiling Point: Bp 177-178°. Bp₁₅ 68°

Solubility: Sol. H₂O, EtOH, Et₂O

Density: d¹⁹ 0.908

Refractive Index: n_D²⁰ 1.4340

Hazard & Toxicity: LD₅₀ (rat, ipr) 1740 mg/kg

Aldrich: 18631-7

Fluka: 32330

Sigma: D9525

>>Derivative: Di-Me acetal

Synonym(s): *N*-(Dimethoxymethyl)-*N*-ethylethanamine, 9CI

CAS Registry Number: 4432-76-2

Molecular Formula: C₇H₁₇NO₂

Molecular Weight: 147.218

Accurate Mass: 147.125929

Percentage Composition: C 57.11%; H 11.64%; N 9.51%; O 21.74%

Physical Description: Liq.

Melting Point: Mp 143-144°

Boiling Point: Bp₅₀ 70°

References:

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Kantlehner, W. *et al.*, *Chem. Ber.*, 1972, **105**, 1340, (*Di-Me acetal*)

Fritz, H. *et al.*, *Org. Magn. Reson.*, 1977, **9**, 108, (*cmr*)

Fujiwara, Y. *et al.*, *Tet. Lett.*, 1986, **27**, 1809, (*synth*)

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