



>>Entry Name: *N,N'*-Dimethylethylenediamine, 8Cl

Synonym(s): *N,N'*-Dimethyl-1,2-ethanediamine, 9Cl. 2,5-Diazahehexane

CAS Registry Number: 110-70-3

MeNHCH₂CH₂NHMe

Molecular Formula: C₄H₁₂N₂

Molecular Weight: 88.152

Accurate Mass: 88.100048

Percentage Composition: C 54.50%; H 13.72%; N 31.78%

Use/Importance: Monomer for polyamines and poly(amido-amines)

Boiling Point: Bp 120°

Density: d²⁰ 0.828

Refractive Index: n_D²⁰ 1.4294

Hazard & Toxicity: LD₅₀ (mus, ipr) 200 mg/kg

Aldrich: 27003-2

Fluka: 38920

Sigma: D1894

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 5752-40-9

Melting Point: Mp 235-236 dec.°

References:

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Kermack, W.O. *et al.*, *J.C.S.*, 1935, 1425, (*synth*)
Boon, W.R., *J.C.S.*, 1947, 307, (*synth*)
Abe, K., *Yakugaku Zasshi*, 1955, **75**, 153
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Miron, Y. *et al.*, *Macromolecules*, 1969, **2**, 154, (*polyamides*)
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