



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

Synonym(s): *N,N*-Dimethyl-1,2-ethanediamine, 9Cl. β -Dimethylaminoethylamine

CAS Registry Number: 108-00-9

$\text{Me}_2\text{NCH}_2\text{CH}_2\text{NH}_2$

Molecular Formula: $\text{C}_4\text{H}_{12}\text{N}_2$

Molecular Weight: 88.152

Accurate Mass: 88.100048

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

Boiling Point: Bp 107°

Aldrich: D15800-3

Fluka: 39030

>>Derivative: Hydrochloride (1:2)

Physical Description: Hygroscopic solid

Melting Point: Mp 160°

>>Derivative: Dipicrate

Melting Point: Mp 228°

>>Derivative: Phenylthiourethane

Melting Point: Mp 83°

>>Derivative: *N*-Et

CAS Registry Number: 123-83-1

Molecular Formula: $\text{C}_6\text{H}_{16}\text{N}_2$

Molecular Weight: 116.206

Accurate Mass: 116.131348

Percentage Composition: C 62.02%; H 13.88%; N 24.11%

Boiling Point: Bp 134-135°

Aldrich: 12698-5

>>Derivative: *N*-Benzyl

CAS Registry Number: 103-55-9

Molecular Formula: $\text{C}_{11}\text{H}_{18}\text{N}_2$

Molecular Weight: 178.277

Accurate Mass: 178.146998

Percentage Composition: C 74.11%; H 10.18%; N 15.71%

Boiling Point: Bp₁₁ 122-124°

Aldrich: 12719-1

References:

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McKay, A.F. *et al.*, *Can. J. Chem.*, 1956, **34**, 1567, (*synth*)

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