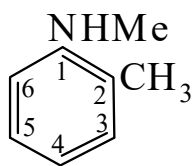




>>Entry Name: ***N*,2-Dimethylaniline**

Synonym(s): *N*,2-Dimethylbenzenamine, 9Cl. *N*-Methyl-*o*-toluidine, 8Cl. 2-(Methylamino)toluene



CAS Registry Number: 611-21-2

Extra CAS Registry Numbers(s): 1300-73-8

Molecular Formula: C₈H₁₁N

Molecular Weight: 121.182

Accurate Mass: 121.089149

Percentage Composition: C 79.29%; H 9.15%; N 11.56%

Physical Description: Liq.

Boiling Point: Bp 207-208°. Bp₁₇ 98.5-99°

Density: d¹⁵ 0.973

pKa Value: pK_a 9.4 (25°)

Aldrich: 46727-8

Rare Chemicals Library: S64859-0

>>Derivative: Picrate

Physical Description: Orange cryst.

Melting Point: Mp 90°

>>Derivative: *N*-Ac

Synonym(s): *N*-Methyl-*N*-(2-methylphenyl)acetamide, 9Cl. *N*-Methylacet-*o*-toluidide

CAS Registry Number: 573-26-2

Molecular Formula: C₁₀H₁₃NO

Molecular Weight: 163.219

Accurate Mass: 163.099714

Percentage Composition: C 73.59%; H 8.03%; N 8.58%; O 9.80%

Physical Description: Cryst.

Melting Point: Mp 55-56°

Boiling Point: Bp 260°

>>Derivative: *N*-Nitroso

Molecular Formula: C₈H₁₀N₂O

Molecular Weight: 150.18

Accurate Mass: 150.079313

Percentage Composition: C 63.98%; H 6.71%; N 18.65%; O 10.65%

Physical Description: Liq.

Boiling Point: Bp₁₅ 89-90°

References:

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Luh, T.Y. *et al.*, *Synth. Commun.*, 1979, **9**, 757, (*synth*)

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