



>>Entry Name: 5-Chloro-2-methylaniline

Synonym(s): 5-Chloro-2-methylbenzenamine, 9CI. 5-Chloro-*o*-toluidine. 2-Amino-4-chlorotoluene

CAS Registry Number: 95-79-4

Molecular Formula: C₇H₈ClN

Molecular Weight: 141.6

Accurate Mass: 141.034526

Percentage Composition: C 59.38%; H 5.69%; Cl 25.04%; N 9.89%

Melting Point: Mp 21-22°

Boiling Point: Bp₇₂₂ 237°

Hazard & Toxicity: LD₅₀ (rat, orl) 464 mg/kg. Exp. carcinogen

Aldrich: C5120-2

Fluka: 25090

Sigma: C5765

>>Derivative: Hydrochloride

CAS Registry Number: 6259-42-3

Physical Description: Prisms

Melting Point: Mp 265-267°

Rare Chemicals Library: S50798-9

Sigma: F1505

>>Derivative: *N*-Ac

Synonym(s): 5-Chloro-2-methylacetanilide. 2-Acetamido-4-chlorotoluene

CAS Registry Number: 5900-55-0

Molecular Formula: C₉H₁₀ClNO

Molecular Weight: 183.637

Accurate Mass: 183.045091

Percentage Composition: C 58.87%; H 5.49%; Cl 19.31%; N 7.63%; O 8.71%

Physical Description: Leaflets

Melting Point: Mp 129-130°. Mp 139-140°

Rare Chemicals Library: S34431-1

References:

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Lutz, R.E. *et al.*, *J.A.C.S.*, 1946, **68**, 1285, (*synth*)

Sharma, S.N. *et al.*, *Indian J. Phys.*, 1976, **50**, 25, (*ir*)

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