



>>Entry Name: 4-Chloro-3-methylaniline

Synonym(s): 4-Chloro-3-methylbenzenamine, 9Cl. 4-Chloro-*m*-toluidine. 5-Amino-2-chlorotoluene

CAS Registry Number: 7149-75-9

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%

Physical Description: Needles (petrol)

Melting Point: Mp 85-86° (81°)

Boiling Point: Bp 241°. Bp_{0.2} 85-87°

Rare Chemicals Library: S77036-1

>>Derivative: Nitrate

Melting Point: Mp 165 dec.°

>>Derivative: *N*-Ac

Synonym(s): 4-Chloro-3-methylacetanilide. 5-Acetamido-2-chlorotoluene

CAS Registry Number: 56961-88-7

Physical Description: Leaflets

Melting Point: Mp 91.7°

Rare Chemicals Library: S75206-1

>>Derivative: *N*-Benzoyl

Molecular Formula: C₁₄H₁₂ClNO

Molecular Weight: 245.708

Accurate Mass: 245.060741

Percentage Composition: C 68.44%; H 4.92%; Cl 14.43%; N 5.70%; O 6.51%

Physical Description: Needles

Melting Point: Mp 119.5°

References:

Reverdin, F. *et al.*, *Ber.*, 1900, **33**, 2503, (*synth, bibl*)

Silvester, W.A. *et al.*, *J.C.S.*, 1936, 691, (*synth*)

Bergmann, E.D. *et al.*, *J.A.C.S.*, 1959, **81**, 5641, (*synth*)

Kalk, W. *et al.*, *Annalen*, 1977, 329