



>>Entry Name: 2-Chloro-6-methylaniline

Synonym(s): 2-Chloro-6-methylbenzenamine, 9Cl. 6-Chloro-*o*-toluidine. 2-Amino-3-chlorotoluene

CAS Registry Number: 87-63-8

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%

Boiling Point: Bp 215°. Bp₁₀ 96.9°

Aldrich: C5100-8

>>Derivative: Trinitrobenzene complex

Physical Description: Orange needles

Melting Point: Mp 132-134°

>>Derivative: *N*-Ac

CAS Registry Number: 21352-09-0

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: Needles

Melting Point: Mp 163°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 490C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1214B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1132D, (*ir*)

Singer, H. *et al.*, *J.A.C.S.*, 1955, **77**, 5700, (*synth*)

Mulhern, T.A. *et al.*, *J.O.C.*, 1993, **58**, 5537, (*synth*)

Sax, N.I., *Dangerous Properties of Industrial Materials, 5th edn.*, Van Nostrand Reinhold, 1979, 501