



>>Entry Name: 2-Chloro-1-methyl-4-nitrobenzene

Synonym(s): 2-Chloro-4-nitrotoluene

CAS Registry Number: 121-86-8

Molecular Formula: C₇H₆ClNO₂

Molecular Weight: 171.583

Accurate Mass: 171.008706

Percentage Composition: C 49.00%; H 3.52%; Cl 20.66%; N 8.16%; O 18.65%

Physical Description: Needles

Melting Point: Mp 65° (68°). Fp 62°

Hazard & Toxicity: Dec. violently in presence of alkali at 170-200°. Irritant

Aldrich: 12514-8

References:

Wilbaut, J.P., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1913, **32**, 247, (*synth*)

Bradbury, F.R. *et al.*, *Q. J. Pharm. Pharmacol.*, 1938, **11**, 248, (*synth*)

Schaefer, T. *et al.*, *Can. J. Chem.*, 1968, **46**, 2531, (*nmr*)

Japan. Pat., 1975, 07 589; *CA*, **83**, 113927q, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, CIG800

Bretherick, L., *Handbook of Reactive Chemical Hazards*, 4th edn., Butterworths, 1990, 2545

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