



>>Entry Name: 2-Chloro-6-nitrobenzaldehyde, 9Cl, 8Cl

CAS Registry Number: 6361-22-4

Molecular Formula: $C_7H_4ClNO_3$

Molecular Weight: 185.566

Accurate Mass: 184.987971

Percentage Composition: C 45.31%; H 2.17%; Cl 19.11%; N 7.55%; O 25.87%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 71.5-72.5°

Aldrich: 10604-6

>>Derivative: Oxime

Molecular Formula: $C_7H_5ClN_2O_3$

Molecular Weight: 200.581

Accurate Mass: 199.99887

Percentage Composition: C 41.92%; H 2.51%; Cl 17.68%; N 13.97%; O 23.93%

Melting Point: Mp 156-157°

>>Derivative: Phenylhydrazone

Physical Description: Red needles

Melting Point: Mp 161°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 115A, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 113B, (*nmr*)

Gindraux, L., *Helv. Chim. Acta*, 1929, **12**, 921, (*synth*)

Rubtsov, M.V. *et al.*, *J. Gen. Chem. USSR (Engl. Transl.)*, 1964, **34**, 1112, (*synth*)

Ahmad, A. *et al.*, *J.C.S. Perkin I*, 1994, 2751, (*synth, pmr*)