>>**Entry Name: 2-Chloro-5-nitrobenzaldehyde,** 9Cl, 8Cl

**CAS Registry Number:** 6361-21-3

**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 80°

**Aldrich:** 13903-3
**Fluka:** 25404

>>**Derivative:** α-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 147-148°

>>**Derivative:** β-Oxime

**Physical Description:** Pale-yellow needles ($C_6H_6$)
**Melting Point:** Mp 176°

>>**Derivative:** 2,4-Dinitrophenylhydrazone

**Physical Description:** Orange cryst.
**Melting Point:** Mp 280 dec.°

**References:**

*Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **2**, 961A, *(nmr)*
*Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **2**, 123A, *(ir)*
Erdmann, H., *Annalen*, 1892, **272**, 141, *(synth)*
Hodgson, H.H. *et al.*, *J.C.S.*, 1926, 147, *(synth)*
Black, D.St.C. *et al.*, *Aust. J. Chem.*, 1970, **23**, 2039, *(synth, ir, pmr, ms)*