



>>Entry Name: 4-Chloro-3-nitrobenzaldehyde, 9Cl, 8Cl

CAS Registry Number: 16588-34-4

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: Needles (EtOH aq.)

Melting Point: Mp 64-65°

Aldrich: C5870-3

Fluka: 25406

>>Derivative: Oxime

CAS Registry Number: 66399-01-7

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%

Physical Description: Pale-yellow needles (EtOH)

Melting Point: Mp 146°

Rare Chemicals Library: S87903-7

>>Derivative: Semicarbazone

Melting Point: Mp 244 dec.°

References:

Aldrich Library of ^{13}C and 1H FT NMR Spectra, 1992, **2**, 961B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 123B, (*ir*)

Hodgson, H.H. *et al.*, *J.C.S.*, 1927, 20, (*synth*)

Faith, H.E. *et al.*, *J.A.C.S.*, 1955, **77**, 543, (*synth*)