



>>Entry Name: 4-Chloro-2-nitrobenzaldehyde, 9Cl, 8Cl

CAS Registry Number: 5551-11-1

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: Yellow needles

Melting Point: Mp 67-68°

Sigma: C4753

>>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%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 172°

>>Derivative: Semicarbazone

Physical Description: Plates (AcOH)

Melting Point: Mp 269-270°

References:

van der Lee, J., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1926, **45**, 674, (*synth*)

Spalding, D.P. *et al.*, *J.A.C.S.*, 1946, **68**, 1596, (*synth*)

Dandegaonkar, S.H., *J. Indian Chem. Soc.*, 1969, **46**, 148, (*uv*)