



>>Entry Name: (3-Chlorophenyl)hydrazine, 9Cl

CAS Registry Number: 14763-20-3

Structure by analogy with (2-Chlorophenyl)hydrazine, [DXB24-Y](#)

Molecular Formula: C₆H₇ClN₂

Molecular Weight: 142.587

Accurate Mass: 142.029775

Percentage Composition: C 50.54%; H 4.95%; Cl 24.86%; N 19.65%

Boiling Point: Bp₂₃ 165°

pKa Value: pK_a 4.92 (25°, H₂O)

>>Derivative: Hydrochloride

CAS Registry Number: 2312-23-4

Physical Description: Needles

Melting Point: Mp 236°

Aldrich: 15396-6

Fluka: 25970

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1259D, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **1**, 1002A, (*nmr*)

Graziani, F., *Chem. Zentralbl.*, 1913, **2**, 496; *CA*, **7**, 3495, (*synth*)

Stevens, F.J. *et al.*, *J.A.C.S.*, 1954, **76**, 2206, (*synth*)

Bullock, M.W. *et al.*, *J.A.C.S.*, 1956, **78**, 5854, (*synth*)

Stroh, H.H. *et al.*, *Chem. Ber.*, 1963, **96**, 184