



>>Entry Name: (4-Chlorophenyl)hydrazine, 9Cl

CAS Registry Number: 1073-69-4

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%

Physical Description: Needles (Et₂O)

Melting Point: Mp 90°

pKa Value: pK_a 5.1 (25°, H₂O)

>>Derivative: Hydrochloride

CAS Registry Number: 1073-70-7

Extra CAS Registry Numbers(s): 35467-71-1

Physical Description: Needles

Melting Point: Mp 225-230 dec.°

Aldrich: C6580-7

Fluka: 25980

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1261B, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **1**, 1010B, (*nmr*)

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

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

Brown, F.C. *et al.*, *J.O.C.*, 1959, **24**, 1056, (*synth*)

Nagata, Y. *et al.*, *Coll. Czech. Chem. Comm.*, 1960, **25**, 3271; *CA*, **56**, 9877, (*polarog*)

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