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

**CAS Registry Number:** 1073-69-4

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

**Molecular Formula:** C<sub>6</sub>H<sub>7</sub>ClN<sub>2</sub>

**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 (Et<sub>2</sub>O)

**Melting Point:** Mp 90°

**pKa Value:** pK<sub>a</sub> 5.1 (25°, H<sub>2</sub>O)

>>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*)

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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