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>>Entry Name: 1-Chloro-4-iodobenzene

Synonym(s): *p*-Chloroiodobenzene

CAS Registry Number: 637-87-6

Structure by analogy with 1-Chloro-2-iodobenzene, [DWV13-J](#)

Molecular Formula: C<sub>6</sub>H<sub>4</sub>ClI

Molecular Weight: 238.455

Accurate Mass: 237.904625

Percentage Composition: C 30.22%; H 1.69%; Cl 14.87%; I 53.22%

Physical Description: Leaflets (EtOH)

Melting Point: Mp 57°

Boiling Point: Bp 227°

Aldrich: 10160-5

Fluka: 24911

#### References:

*Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **1**, 990A, (*ir*)

*Aldrich Library of <sup>13</sup>C and <sup>1</sup>H FT NMR Spectra*, 1992, **2**, 87A, (*nmr*)

*Aldrich Library of FT-IR Spectra: Vapor Phase*, 1989, **3**, 907B, (*ir*)

Datta, R.L. *et al.*, *J.A.C.S.*, 1919, **41**, 293, (*synth*)

Birckenbach, L. *et al.*, *Ber.*, 1932, **65**, 399, (*synth*)

Nageswara, B.D. *et al.*, *Proc. - Indian Acad. Sci., Sect. A*, 1961, **54**, 1, (*pmr*)

Blum, J., *Tet. Lett.*, 1966, 1605, (*synth*)

Tarpley, A.R. *et al.*, *Anal. Chem.*, 1969, **41**, 402, (*pmr*)

Varsaros, L. *et al.*, *J. Chromatogr.*, 1971, **62**, 458, (*glc*)