



>>Entry Name: 1-Fluoro-4-iodobenzene, 9CI, 8CI

Synonym(s): *p*-Fluoroiodobenzene

CAS Registry Number: 352-34-1

Structure by analogy with 1-Fluoro-2-iodobenzene, [DTN09-D](#)

Molecular Formula: C₆H₄FI

Molecular Weight: 222.001

Accurate Mass: 221.934176

Percentage Composition: C 32.46%; H 1.82%; F 8.56%; I 57.16%

Physical Description: Liq. freezing to cryst. existing in 2 forms

Melting Point: Mp -27°. Mp -18° (-20°)

Boiling Point: Bp 182-184°. Bp₄₀ 96°

Refractive Index: n_D²⁰ 1.5830

Other Data: Stabilised with Cu

Aldrich: 21942-8

Sigma: F2626

References:

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Facchetti, S. *et al.*, *CA*, 1970, **72**, 105125j, (*ms*)

Green, J.H.S., *Spectrochim. Acta A*, 1970, **26**, 1523, (*ir*)

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Miyajima, G. *et al.*, *Org. Magn. Reson.*, 1972, **4**, 811, (*cmr*, *F-19 nmr*)

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Shapiro, B.L. *et al.*, *J. Phys. Chem. Ref. Data*, 1977, **6**, 919; *CA*, 1977, **87**, 175334k, (*pmr*, *rev*)

Rozen, S. *et al.*, *J.O.C.*, 1990, **55**, 3552, (*synth*)