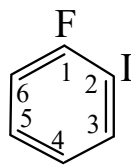




>>Entry Name: 1-Fluoro-2-iodobenzene, 9CI, 8CI

Synonym(s): *o*-Fluoroiodobenzene



CAS Registry Number: 348-52-7

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%

Melting Point: Mp -41.5°

Boiling Point: Bp 182-184° 188.6°

Refractive Index: n_D²⁰ 1.5830

Other Data: Steam-volatile

Aldrich: 21940-1

Sigma: F2376

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 70A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 977D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 894D, (*ir*)

Rinkes, I.J., *Chem. Zentralbl.*, 1919, **1**, 820

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

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

Smith, W.B. *et al.*, *J. Magn. Reson.*, 1972, **7**, 364, (*cmr*)

Singh, R.D. *et al.*, *J. Magn. Reson.*, 1974, **16**, 110, (*nmr*)

Wray, V. *et al.*, *J.C.S. Perkin 2*, 1976, 1307

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

Fifolt, M.J. *et al.*, *J.O.C.*, 1989, **54**, 3019, (*F-19 nmr*)

Fossatelli, M. *et al.*, *Synth. Commun.*, 1990, **20**, 1701, (*synth*)

Bennetau, B. *et al.*, *Tet. Lett.*, 1990, **31**, 6179, (*synth*)