



>>Entry Name: 1-Fluoro-3-iodobenzene

Synonym(s): *m*-Fluoriodobenzene

CAS Registry Number: 1121-86-4

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.

Boiling Point: Bp₂₀ 74°

Refractive Index: n_D²⁰ 1.5836

Other Data: Stabilised with Cu

Aldrich: 21939-8

Sigma: F2501

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 78C, (*nmr*)

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Schiemann, G., *J. Prakt. Chem.*, 1934, **140**, 97, (*synth*)

Fukai, K. *et al.*, *Nippon Kagaku Zasshi*, 1958, **79**, 1120; *CA*, **54**, 5518c, (*synth*)

Schaufele, R.F. *et al.*, *Trans. Faraday Soc.*, 1965, **61**, 508, (*uv*)

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

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

Roberts, J.D., *J.A.C.S.*, 1971, **93**, 2361, (*cmr*)

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

Suryaprakash, N. *et al.*, *J. Mol. Struct.*, 1983, **101**, 121, (*pmr*)

Bennetau, B. *et al.*, *Tetrahedron*, 1990, **46**, 8131, (*synth, pmr, cmr*)