



>>Entry Name: 1-Fluoro-4-nitrobenzene

Synonym(s): *p*-Fluoronitrobenzene

CAS Registry Number: 350-46-9

Structure by analogy with 1-Fluoro-2-nitrobenzene, [DTN30-D](#)

Molecular Formula: C₆H₄FNO₂

Molecular Weight: 141.101

Accurate Mass: 141.022607

Percentage Composition: C 51.07%; H 2.86%; F 13.46%; N 9.93%; O 22.68%

Melting Point: Mp 27°

Boiling Point: Bp₇₅₀ 214-216°. Bp₁₁ 86-87°

Density: d^{17.2} 1.34

pKa Value: pK_a -11.5 (18°, H₂SO₄ aq.)

Other Data: Also has a labile form, Mp 21.5°

Aldrich: F1120-4

Fluka: 47170

Sigma: F3501

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 694C, (*nmr*)

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Schiemann, G. *et al.*, *Ber.*, 1929, **62**, 3035, (*synth*)

Vorozhtsov, N.N. *et al.*, *Zh. Obshch. Khim.*, 1961, **31**, 3705, (*synth*)

Starr, L.D. *et al.*, *Chem. Ind. (London)*, 1962, 1328, (*synth*)

Ishikawa, N., *Kogyo Kagaku Zasshi*, 1966, **69**, 1484

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