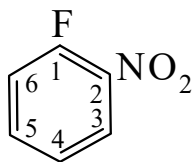




>>Entry Name: 1-Fluoro-2-nitrobenzene

Synonym(s): *o*-Fluoronitrobenzene



CAS Registry Number: 1493-27-2

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: Bp₇₃₅ 205.3°. Bp₂₂ 95-97.5°

Density: d₄²⁰ 1.33

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

Aldrich: F1080-1

Fluka: 47150

Sigma: F3251

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 680B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1330C, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1183C, (*ir*)

Holleman, M.A.F., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1905, **24**, 25

Schiemann, G. *et al.*, *Ber.*, 1929, **62**, 3035

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

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

Ager, I.R. *et al.*, *J.C.S. Perkin 2*, 1972, 1979, (*nmr*)

Exner, O. *et al.*, *Coll. Czech. Chem. Comm.*, 1972, **37**, 2156, (*ir*)