



>>Entry Name: 4-Fluoro-2-methyl-1-nitrobenzene, 9CI

Synonym(s): 5-Fluoro-2-nitrotoluene

CAS Registry Number: 446-33-3

Structure by analogy with 1-Fluoro-2-methyl-3-nitrobenzene, [DTN79-Y](#)

Molecular Formula: $C_7H_6FNO_2$

Molecular Weight: 155.128

Accurate Mass: 155.038257

Percentage Composition: C 54.20%; H 3.90%; F 12.25%; N 9.03%; O 20.63%

Melting Point: Mp 27.8°

Boiling Point: Bp₇₇₅ 216°. Bp₁₀ 97-98°

Aldrich: F1240-5

Sigma: F4133

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 718B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1353A, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1199D, (*ir*)

Schiemann, G., *Ber.*, 1929, **62**, 1794, (*struct, synth*)

Ostaszynski, A., *CA*, 1955, **49**, 203, (*synth*)

Jones, R. *et al.*, *J.C.S. Faraday 2*, 1972, **68**, 2087, (*cmr*)

Olah, G. *et al.*, *J.A.C.S.*, 1974, **96**, 2892, (*glc*)