



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

Synonym(s): 4-Fluoro-2-nitrotoluene

CAS Registry Number: 446-10-6

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%

Physical Description: Liq.

Melting Point: Mp -8.85°

Boiling Point: Bp 213° . Bp 218° . Bp₂₀ 102.4°

Density: d_{20}^{20} 1.27

Aldrich: F1220-0

Sigma: F1004

References:

Aldrich Library of ^{13}C and 1H FT NMR Spectra, 1992, **2**, 718A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1350C, (*ir*)

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

Desirant, Y., *CA*, 1933, **27**, 4781, (*struct, synth*)

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