



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

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

CAS Registry Number: 455-88-9

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

Molecular Formula: C₇H₆FNO₂

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 41.5°

Boiling Point: Bp₁₃ 99.4-99.6°

Aldrich: F1200-6

References:

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

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

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1200A, (*ir*)

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

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

Sterk, H. *et al.*, *Org. Magn. Reson.*, 1975, **7**, 274, (*nmr*)