



>>Entry Name: 1-Fluoro-4-nitro-2-(trifluoromethyl)benzene, 9CI

Synonym(s): $\alpha,\alpha,\alpha,2$ -Tetrafluoro-5-nitrotoluene. 2-Fluoro-5-nitrobenzotrifluoride

CAS Registry Number: 400-74-8

Structure by analogy with 1-Fluoro-2-nitro-4-(trifluoromethyl)benzene, [KHx77-N](#)

Molecular Formula: $C_7H_3F_4NO_2$

Molecular Weight: 209.1

Accurate Mass: 209.009991

Percentage Composition: C 40.21%; H 1.45%; F 36.34%; N 6.70%; O 15.30%

Boiling Point: Bp₂₅ 105-110°. Bp_{4.5} 77-79°

Aldrich: 36582-3

Rare Chemicals Library: S63857-9

References:

Finger, G.C. *et al.*, *J.A.C.S.*, 1956, **78**, 6034, (*synth*)

Maggini, M. *et al.*, *J.O.C.*, 1991, **56**, 6406, (*synth*)