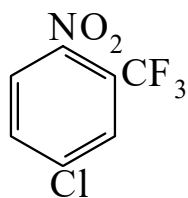




>>Entry Name: 4-Chloro-1-nitro-2-(trifluoromethyl)benzene

Synonym(s): 5-Chloro- α,α,α -trifluoro-2-nitrotoluene



CAS Registry Number: 118-83-2

Molecular Formula: $C_7H_3ClF_3NO_2$

Molecular Weight: 225.554

Accurate Mass: 224.98044

Percentage Composition: C 37.28%; H 1.34%; Cl 15.72%; F 25.27%; N 6.21%; O 14.19%

Physical Description: Pale yellow oil

Melting Point: Mp 21-22°

Boiling Point: Bp 224°. Bp_{4.5} 86-87° (lit. gives a pressure range)

Aldrich: C6080-5

References:

Aldrich Library of ^{13}C and 1H FT NMR Spectra, 1992, **2**, 722A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1357D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1202C, (*ir*)

Whalley, W.B., *J.C.S.*, 1949, 3016, (*synth*)

Newmark, R.A. *et al.*, *Org. Magn. Reson.*, 1977, **9**, 589, (*C-13 nmr*)