



>>Entry Name: 4-(Trifluoromethyl)phenol, 9Cl

Synonym(s): α,α,α -Trifluoro-*p*-cresol, 8Cl. *p*-Hydroxybenzotrifluoride

CAS Registry Number: 402-45-9

Molecular Formula: C₇H₅F₃O

Molecular Weight: 162.111

Accurate Mass: 162.029249

Percentage Composition: C 51.86%; H 3.11%; F 35.16%; O 9.87%

Melting Point: Mp 46.5-47°

Boiling Point: Bp₈ 71.5-72°. Bp₅ 60-65°

Other Data: V. base labile

Hazard & Toxicity: Irritant

Aldrich: 17847-0

Fluka: 54825

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1077D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1010C, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **1**, 875A, (*nmr*)

Jones, R.G., *J.A.C.S.*, 1947, **69**, 2346, (*synth*)

Stahly, G.P. *et al.*, *J.O.C.*, 1989, **54**, 2873, (*synth, ms*)