



>> Name: **4-Amino-3-(trifluoromethyl)phenol**, 9CI

Synonym(s): 4-Amino- α,α,α -trifluoro-*m*-cresol. 2-Amino-5-hydroxybenzotrifluoride

CAS Registry Number: 445-04-5

Structure by analogy with 2-Amino-4-(trifluoromethyl)phenol, [BYR24-L](#)

Molecular Formula: C₇H₆F₃NO

Molecular Weight: 177.126

Accurate Mass: 177.040148

Percentage Composition: C 47.47%; H 3.41%; F 32.18%; N 7.91%; O 9.03%

Physical Description: Cryst. by subl.

Melting Point: Mp 158°

>> **Derivative:** *N,O*-Di-Ac

Molecular Formula: C₁₁H₁₀F₃NO₃

Molecular Weight: 261.2

Accurate Mass: 261.061278

Percentage Composition: C 50.58%; H 3.86%; F 21.82%; N 5.36%; O 18.38%

Physical Description: Needles (MeOH aq.)

Melting Point: Mp 142°

References:

Whalley, W.B., *J.C.S.*, 1949, 3016-3020, (*synth*, *N,O-di-Ac*)

Dieks, H. *et al.*, *J.O.C.*, 1997, **62**, 8666-8680, (*synth*, *pmr*, *F-19 nmr*)