



>> **Name:** 3-Amino-5-(trifluoromethyl)phenol, 9CI

Synonym(s): 5-Amino- α,α,α -trifluoro-*m*-cresol, 8CI. 3-Amino-5-hydroxybenzotrifluoride

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: Pale yellow cryst. (C₆H₆/petrol)

Melting Point: Mp 81°

>> **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 138°

>> **Derivative:** Me ether

Synonym(s): 3-Methoxy-5-(trifluoromethyl)aniline. 5-(Trifluoromethyl)-*m*-anisidine

CAS Registry Number: 349-55-3

Molecular Formula: C₈H₈F₃NO

Molecular Weight: 191.153

Accurate Mass: 191.055798

Percentage Composition: C 50.27%; H 4.22%; F 29.82%; N 7.33%; O 8.37%

Melting Point: Mp 50-52°

Aldrich: 19693-2

References:

Whalley, W.B., *J.C.S.*, 1946, 3016, (*synth, N,O-di-Ac*)