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>>Entry Name: 2,4,6-Trifluoroaniline, 8Cl  
Synonym(s): 2,4,6-Trifluorobenzenamine, 9Cl

CAS Registry Number: 363-81-5

Molecular Formula: C<sub>6</sub>H<sub>4</sub>F<sub>3</sub>N  
Molecular Weight: 147.099  
Accurate Mass: 147.029583  
Percentage Composition: C 48.99%; H 2.74%; F 38.75%; N 9.52%  
Physical Description: Cryst.  
Melting Point: Mp 33-34°  
Boiling Point: Bp<sub>22</sub> 57°

Aldrich: 19683-5

>>Derivative: Ac  
Synonym(s): 2,4,6-Trifluoroacetanilide

Molecular Formula: C<sub>8</sub>H<sub>6</sub>F<sub>3</sub>NO  
Molecular Weight: 189.137  
Accurate Mass: 189.040148  
Percentage Composition: C 50.80%; H 3.20%; F 30.13%; N 7.41%; O 8.46%  
Physical Description: Cryst. (C<sub>6</sub>H<sub>6</sub>)  
Melting Point: Mp 152-153°

**References:**

*Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **2**, 524C, (*nmr*)  
*Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **1**, 1230B, (*ir*)  
*Aldrich Library of FT-IR Spectra: Vapor Phase*, 1989, **3**, 1150C, (*ir*)  
Finger, G.C. *et al.*, *J.A.C.S.*, 1951, **73**, 153, (*synth*)