



>>Entry Name: 2-Fluoro-4-methylaniline

Synonym(s): 2-Fluoro-4-methylbenzenamine, 9Cl. 2-Fluoro-*p*-toluidine, 8Cl

CAS Registry Number: 452-80-2

Structure by analogy with 2-Fluoro-3-methylaniline, [DTP35-S](#)

Molecular Formula: C₇H₈FN

Molecular Weight: 125.145

Accurate Mass: 125.064077

Percentage Composition: C 67.18%; H 6.44%; F 15.18%; N 11.19%

Melting Point: Mp 3°

Boiling Point: Bp 190°. Bp₇ 70-71°

Density: d¹⁸ 1.108

Aldrich: 33711-0

Rare Chemicals Library: S44383-2

>>Derivative: Hydrochloride

Physical Description: Cryst. (EtOH)

Melting Point: Mp 300°

Boiling Point: Subl. *ca.*° 175

>>Derivative: *N*-Ac

CAS Registry Number: 326-67-0

Molecular Formula: C₉H₁₀FNO

Molecular Weight: 167.182

Accurate Mass: 167.074642

Percentage Composition: C 64.66%; H 6.03%; F 11.36%; N 8.38%; O 9.57%

Physical Description: Yellow needles

Melting Point: Mp 128°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 497C, (*nmr*)

Aldrich Library of IR Spectra, 543H, (*ir*)

Finger, G.C. *et al.*, *J.A.C.S.*, 1954, **81**, 94, (*synth*)

Aksnes, D. *et al.*, *Acta Chem. Scand.*, 1971, **25**, 1871, (*pmr*)