



>>Entry Name: 5-Amino-2-fluorobenzoic acid

CAS Registry Number: 56741-33-4

Molecular Formula: $C_7H_6FNO_2$

Molecular Weight: 155.128

Accurate Mass: 155.038257

Percentage Composition: C 54.20%; H 3.90%; F 12.25%; N 9.03%; O 20.63%

Physical Description: Needles (H_2O)

Melting Point: Mp 190°

>>Derivative: Me ester

CAS Registry Number: 56741-34-5

Molecular Formula: $C_8H_8FNO_2$

Molecular Weight: 169.155

Accurate Mass: 169.053907

Percentage Composition: C 56.80%; H 4.77%; F 11.23%; N 8.28%; O 18.92%

Physical Description: Pale-yellow needles (CCl_4)

Melting Point: Mp 86°

>>Derivative: Nitrile

Synonym(s): 3-Cyano-4-fluoroaniline

CAS Registry Number: 53312-81-5

Molecular Formula: $C_7H_5FN_2$

Molecular Weight: 136.128

Accurate Mass: 136.043676

Percentage Composition: C 61.76%; H 3.70%; F 13.96%; N 20.58%

Melting Point: Mp 88-89°

References:

Drewes, S.E. *et al.*, *J.C.S. Perkin I*, 1975, 1283, (*synth, deriv*)

Mulvey, D.M. *et al.*, *Tet. Lett.*, 1978, 1419, (*nitrile*)

Tani, J. *et al.*, *Chem. Pharm. Bull.*, 1982, **30**, 3530, (*synth, deriv, pmr*)

Soundararajan, N. *et al.*, *J.O.C.*, 1990, **55**, 2034, (*Me ester, synth, pmr, F-19 nmr, ir, ms*)