



>>Entry Name: 4-Amino-3-fluorobenzoic acid

CAS Registry Number: 455-87-8

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: Cryst. (H₂O)

Melting Point: Mp 215-216°

>>Derivative: *N*-Ac

Molecular Formula: $C_9H_8FNO_3$

Molecular Weight: 197.165

Accurate Mass: 197.048822

Percentage Composition: C 54.83%; H 4.09%; F 9.64%; N 7.10%; O 24.34%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 282-283 dec.°

>>Derivative: Nitrile

Synonym(s): 4-Cyano-2-fluoroaniline

CAS Registry Number: 63069-50-1

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%

Physical Description: Cryst. (hexane)

Melting Point: Mp 87-88°

References:

Tomcuřik, A.S. *et al.*, *J.O.C.*, 1961, **29**, 3351, (*synth*)

Frolov, A.N. *et al.*, *J. Org. Chem. USSR (Engl. Transl.)*, 1977, **13**, 552, (*synth.*, *deriv*, *ir*, *nmr*)