



>>Entry Name: 2-Fluoro-6-hydroxybenzoic acid, 9CI

Synonym(s): 6-Fluorosalicylic acid

CAS Registry Number: 67531-86-6

Structure by analogy with 2-Fluoro-3-hydroxybenzoic acid, [MJC04-Y](#)

Molecular Formula: $C_7H_5FO_3$

Molecular Weight: 156.113

Accurate Mass: 156.022273

Percentage Composition: C 53.86%; H 3.23%; F 12.17%; O 30.75%

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 165-165.5°

Aldrich: 44650-5

>>Derivative: Me ether, nitrile

Synonym(s): 2-Fluoro-6-methoxybenzonitrile. 2-Cyano-3-fluoroanisole. 2-Cyano-1-fluoro-3-methoxybenzene

CAS Registry Number: 94088-46-7

Molecular Formula: C_8H_6FNO

Molecular Weight: 151.14

Accurate Mass: 151.043342

Percentage Composition: C 63.58%; H 4.00%; F 12.57%; N 9.27%; O 10.59%

Physical Description: No phys. props. reported

>>Derivative: Ph ether, nitrile

Synonym(s): 2-Fluoro-6-phenoxybenzonitrile. 2-Cyano-3-fluorodiphenyl ether. 2-Cyano-1-fluoro-3-methoxybenzene

Molecular Formula: $C_{13}H_8FNO$

Molecular Weight: 213.211

Accurate Mass: 213.058992

Percentage Composition: C 73.23%; H 3.78%; F 8.91%; N 6.57%; O 7.50%

Melting Point: Mp 90-93°

Hazard & Toxicity: Irritant

References:

Hannah, J. *et al.*, *J. Med. Chem.*, 1978, **21**, 1093-1100, (*synth, props*)

Bridges, A.J. *et al.*, *J. Het. Chem.*, 1997, **34**, 1163-1172, (*Me ether nitrile, pmr*)

Marzi, E. *et al.*, *Eur. J. Org. Chem.*, 2001, 2911-2915, (*synth, pmr, cmr, ms*)