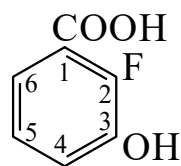




>>Entry Name: 2-Fluoro-3-hydroxybenzoic acid



CAS Registry Number: 91658-92-3

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: Neeles (toluene)

Melting Point: Mp 185-187°

>>Derivative: Et ester

CAS Registry Number: 105836-28-0

Molecular Formula: $C_9H_9FO_3$

Molecular Weight: 184.167

Accurate Mass: 184.053573

Percentage Composition: C 58.70%; H 4.93%; F 10.32%; O 26.06%

Physical Description: Solid

>>Derivative: Me ether

Synonym(s): 2-Fluoro-3-methoxybenzoic acid

CAS Registry Number: 137654-20-7

Molecular Formula: $C_8H_7FO_3$

Molecular Weight: 170.14

Accurate Mass: 170.037923

Percentage Composition: C 56.48%; H 4.15%; F 11.17%; O 28.21%

Physical Description: No phys. props. reported

>>Derivative: Me ether, amide

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: Light yellow solid

>>Derivative: Me ether, nitrile

Synonym(s): 1-Cyano-2-fluoro-3-methoxybenzene

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: Light brown solid

References:

Leroy, J. *et al.*, *J.O.C.*, 1987, **52**, 290, (*synth, pmr, F-19 nmr, ms*)

Katsoulos, G. *et al.*, *Synlett*, 1991, 731, (*Me ether*)

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

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