



>>Entry Name: 3-Fluoro-2-hydroxybenzoic acid, 9Cl

Synonym(s): 3-Fluorosalicylic acid, 8Cl

CAS Registry Number: 341-27-5

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 145-147°

>>Derivative: Me ester

CAS Registry Number: 70163-98-3

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%

Melting Point: Mp 33°

References:

Ferguson, L.N. *et al.*, *J.A.C.S.*, 1946, **68**, 2502; 1950, **72**, 5315, (*synth*)

Baine, O. *et al.*, *J.O.C.*, 1954, **19**, 510, (*synth*)

Micklatcher, M.L. *et al.*, *Synthesis*, 1999, 1878-1880, (*synth*, *ir*, *pmr*, *F-19 nmr*)

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