



>>Entry Name: 3-Fluoro-4-hydroxybenzoic acid, 9CI

CAS Registry Number: 350-29-8

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. (H₂O)

Melting Point: Mp 163-163.5°

>>Derivative: Me ester

CAS Registry Number: 403-01-0

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 90-91.4°

>>Derivative: Me ether

Synonym(s): 3-Fluoro-4-methoxybenzoic acid, 9CI

CAS Registry Number: 403-20-3

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%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 211-212°

Aldrich: 36511-4

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 1108B, (*nmr*)

Minor, J.T. *et al.*, *J.O.C.*, 1952, **17**, 1425, (*synth*)

Gray, G.W. *et al.*, *J.C.S.*, 1954, 2556, (*synth*)

Lock, G., *Monatsh. Chem.*, 1955, **86**, 511, (*synth*)

May, S.W. *et al.*, *Biochemistry*, 1978, **17**, 1853, (*synth*)

Misaki, S., *J. Fluorine Chem.*, 1982, **21**, 191, (*synth*)