



>>Entry Name: 2-Fluoro-4,5-dihydroxybenzaldehyde, 9CI

CAS Registry Number: 71144-36-0

Structure by analogy with 2-Fluoro-3,4-dihydroxybenzaldehyde, [DWQ01-F](#)

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%

>>Derivative: 4-Me ether

Synonym(s): 2-Fluoro-5-hydroxy-4-methoxybenzaldehyde. 6-Fluoroisovanillin

CAS Registry Number: 79418-76-1

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 133-136°

>>Derivative: 5-Me ether

Synonym(s): 2-Fluoro-4-hydroxy-5-methoxybenzaldehyde. 6-Fluorovanillin

CAS Registry Number: 79418-77-2

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. (EtOAc/cyclohexane)

Melting Point: Mp 149-150°

>>Derivative: Di-Me ether

Synonym(s): 2-Fluoro-4,5-dimethoxybenzaldehyde

CAS Registry Number: 71924-62-4

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%

Melting Point: Mp 94-96°

References:

Kirk, K.L. *et al.*, *J. Med. Chem.*, 1979, **22**, 1493-1497; 1981, **24**, 1395-1399, (*Me ethers, synth, pmr, chromatog*)

Kirk, K.L. *et al.*, *J.O.C.*, 1986, **51**, 4073-4075, (*di-Me ether, synth*)