>>**Entry Name: 3-Fluoro-4-hydroxybenzaldehyde**

CAS Registry Number: 405-05-0
Structure by analogy with 2-Fluoro-3-hydroxybenzaldehyde, FQJ55-V

Molecular Formula: $C_7H_5FO_2$
Molecular Weight: 140.114
Accurate Mass: 140.027358
Percentage Composition: C 60.01%; H 3.60%; F 13.56%; O 22.84%
Physical Description: Needles (H_2O)
Melting Point: Mp 121-122°

>>**Derivative:** Oxime

Molecular Formula: $C_7H_6FNO_2$
Molecular Weight: 155.128
Accurate Mass: 155.038257
Percentage Composition: C 54.20%; H 3.90%; F 12.25%; N 9.03%; O 20.63%
Physical Description: Cryst. (H_2O)
Melting Point: Mp 140-141°

>>**Derivative:** 2,4-Dinitrophenylhydrazone
Physical Description: Scarlet needles
Melting Point: Mp 291-292°

>>**Derivative:** Me ether
Synonym(s): 3-Fluoro-4-methoxybenzaldehyde, 9Cl. 3-Fluoro-*p*-anisaldehyde

CAS Registry Number: 351-54-2
Molecular Formula: $C_8H_7FO_2$
Molecular Weight: 154.141
Accurate Mass: 154.043008
Percentage Composition: C 62.34%; H 4.58%; F 12.33%; O 20.76%
Physical Description: Yellow cryst.
Melting Point: Mp 34-35° (29-30°)
Boiling Point: Bp 93-4.5°

References:

English, J. *et al.*, *J.A.C.S.*, 1940, **62**, 350-354, *(synth, Me ether)*
Ferguson, L.N. *et al.*, *J.A.C.S.*, 1946, **68**, 2502-2504, *(synth)*
Lock, G.J. *et al.*, *Monatsh. Chem.*, 1955, **86**, 511-516, *(synth, Me ether)*
Schaefer, T. *et al.*, *Can. J. Chem.*, 1985, **63**, 782-786, *(pmr, Me ether)*