



>>Entry Name: 5-Fluoro-2-hydroxybenzaldehyde

Synonym(s): 5-Fluorosalicylaldehyde

CAS Registry Number: 347-54-6

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: Plates

Melting Point: Mp 82-84°

>>Derivative: Phenylhydrazone

Physical Description: Yellow plates

Melting Point: Mp 144-145°

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Orange needles

Melting Point: Mp 285-287°

>>Derivative: Me ether

Synonym(s): 5-Fluoro-2-methoxybenzaldehyde

CAS Registry Number: 19415-51-1

Molecular Formula: $C_8H_7FO_2$

Molecular Weight: 154.14

Accurate Mass: 154.043008

Percentage Composition: C 62.34%; H 4.58%; F 12.33%; O 20.76%

Melting Point: Mp 43-45.5°

References:

Ferguson, L.N. *et al.*, *J.A.C.S.*, 1946, **68**, 2502-2504, (*synth*)

Misaki, S., *J. Fluorine Chem.*, 1982, **21**, 191-199, (*synth*)

Vallgärda, J. *et al.*, *J.C.S. Perkin I*, 1994, 461-470, (*Me ether*)

Aldred, R. *et al.*, *J.C.S. Perkin I*, 1994, 1823, (*synth, pmr*)

Sharma, G.V.M. *et al.*, *Synth. Commun.*, 2000, **30**, 397-405, (*synth, ir, pmr, ms*)