



>>Entry Name: 5-Fluoro-2-hydroxybenzoic acid, 9CI

Synonym(s): 5-Fluorosalicylic acid, 8CI

CAS Registry Number: 345-16-4

Structure by analogy with 2-Fluoro-3-hydroxybenzoic acid, [MJC04-Y](#)

Molecular Formula: C₇H₅FO₃

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. (EtOH aq.)

Melting Point: Mp 179-180°

Aldrich: 15270-6

Fluka: 47480

>>Derivative: Me ester

CAS Registry Number: 391-92-4

Molecular Formula: C₈H₇FO₃

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 28°

Boiling Point: Bp₃₈ 133-135°

>>Derivative: Me ether

Synonym(s): 5-Fluoro-2-methoxybenzoic acid, 9CI

CAS Registry Number: 394-04-7

Molecular Formula: C₈H₇FO₃

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. (petrol)

Melting Point: Mp 84-85°

References:

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Banie, O. *et al.*, *J.O.C.*, 1954, **19**, 510, (*synth*)
Danek, O., *Coll. Czech. Chem. Comm.*, 1964, **29**, 730, (*synth*)
Durrani, A.A. *et al.*, *J.C.S. Perkin 1*, 1979, 2079, (*deriv*)
Misaki, S., *J. Fluorine Chem.*, 1982, **21**, 191, (*synth*)
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