



>>Entry Name: 4-Fluoro-2-hydroxybenzoic acid

Synonym(s): 4-Fluorosalicylic acid, 8Cl

CAS Registry Number: 345-29-9

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. (EtOH aq.)

>>Derivative: Me ester

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.

Melting Point: Mp 39-40°

Boiling Point: Bp₁₀ 93°

>>Derivative: Amide

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. (H₂O)

Melting Point: Mp 181°

References:

Zuber, F. *et al.*, *Helv. Chim. Acta*, 1950, **33**, 1269, (*synth*)

Danek, O., *Coll. Czech. Chem. Comm.*, 1964, **29**, 730, (*synth*)