



>>Entry Name: 2-Hydroxy-5-iodobenzaldehyde, 9Cl

Synonym(s): 5-Iodosalicylaldehyde, 8Cl

CAS Registry Number: 1761-62-2

Molecular Formula: C₇H₅IO₂

Molecular Weight: 248.02

Accurate Mass: 247.933428

Percentage Composition: C 33.90%; H 2.03%; I 51.17%; O 12.90%

Physical Description: Pale-yellow needles (EtOH)

Melting Point: Mp 102°

pKa Value: pK_a 8.98 (30°, 75% v/v dioxan aq.)

>>Derivative: Oxime

Molecular Formula: C₇H₆INO₂

Molecular Weight: 263.034

Accurate Mass: 262.944327

Percentage Composition: C 31.96%; H 2.30%; I 48.25%; N 5.33%; O 12.17%

Physical Description: Light-yellow needles (EtOH)

Melting Point: Mp 135°

>>Derivative: Me ether

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

CAS Registry Number: 42298-41-9

Molecular Formula: C₈H₇IO₂

Molecular Weight: 262.047

Accurate Mass: 261.949078

Percentage Composition: C 36.67%; H 2.69%; I 48.43%; O 12.21%

Physical Description: Needles (EtOH)

Melting Point: Mp 144.5-145.5°

References:

Mathai, K.P. *et al.*, *J. Indian Chem. Soc.*, 1964, **41**, 347, (*synth*)

Tozuka, Z. *et al.*, *CA*, 1973, **79**, 66092, (*synth*)

Cho, Y.J. *et al.*, *Synth. Commun.*, 1999, **29**, 2061-2068, (*synth*)