



>>Entry Name: 4-Hydroxy-3-iodobenzaldehyde, 9CI

CAS Registry Number: 60032-63-5

Molecular Formula: $C_7H_5IO_2$

Molecular Weight: 248.02

Accurate Mass: 247.933428

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

Physical Description: Leaflets (H_2O)

Melting Point: Mp 116-117°. Mp 128-130° (113°)

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Orange-red cryst. (AcOH aq.)

Melting Point: Mp 269-271 dec.°

>>Derivative: Me ether

Synonym(s): 3-Iodo-4-methoxybenzaldehyde

CAS Registry Number: 2314-37-6

Molecular Formula: $C_8H_7IO_2$

Molecular Weight: 262.047

Accurate Mass: 261.949078

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

Physical Description: Cryst. (petrol)

Melting Point: Mp 110.5°

>>Derivative: Et ether

Synonym(s): 4-Ethoxy-3-iodobenzaldehyde

CAS Registry Number: 184033-45-2

Molecular Formula: $C_9H_9IO_2$

Molecular Weight: 276.073

Accurate Mass: 275.964728

Percentage Composition: C 39.16%; H 3.29%; I 45.97%; O 11.59%

Physical Description: Cryst.

Melting Point: Mp 81°

References:

Barnes, J.H. *et al.*, *J.C.S.*, 1950, 2824, (*synth*)

Defranq, E. *et al.*, *Helv. Chim. Acta*, 1993, **76**, 425, (*synth, ir, pmr*)

Harapanhalli, R.S. *et al.*, *J. Med. Chem.*, 1996, **39**, 4804-4809, (*synth, pmr*)

Dansou, B. *et al.*, *Eur. J. Org. Chem.*, 2000, 1527-1533, (*Me ether*)