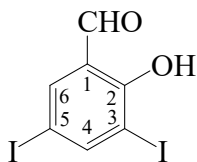




>>Entry Name: 2-Hydroxy-3,5-diiodobenzaldehyde, 9CI

Synonym(s): 3,5-Diiodosalicylaldehyde, 8CI. 2-Formyl-4,6-diiodophenol



CAS Registry Number: 2631-77-8

Molecular Formula: $C_7H_4I_2O_2$

Molecular Weight: 373.916

Accurate Mass: 373.830076

Percentage Composition: C 22.49%; H 1.08%; I 67.88%; O 8.56%

Physical Description: Needles (EtOH)

Melting Point: Mp 109-110°

Aldrich: 28344-4

>>Derivative: Ac

Molecular Formula: $C_9H_6I_2O_3$

Molecular Weight: 415.954

Accurate Mass: 415.840641

Percentage Composition: C 25.99%; H 1.45%; I 61.02%; O 11.54%

Melting Point: Mp 147°

>>Derivative: Me ether

Synonym(s): 3,5-Diiodo-2-methoxybenzaldehyde

Molecular Formula: $C_8H_6I_2O_2$

Molecular Weight: 387.943

Accurate Mass: 387.845726

Percentage Composition: C 24.77%; H 1.56%; I 65.42%; O 8.25%

Physical Description: Needles (petrol)

Melting Point: Mp 100°

>>Derivative: Benzyl ether

CAS Registry Number: 306753-70-8

Molecular Formula: $C_{14}H_{10}I_2O_2$

Molecular Weight: 464.041

Accurate Mass: 463.877026

Percentage Composition: C 36.24%; H 2.17%; I 54.70%; O 6.90%

Physical Description: Solid (Et₂O/petrol)

Melting Point: Mp 98-101°

References:

Bougault, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1949, 433-436, (*synth, derivs*)

Wilkinson, J.H. *et al.*, *Biochem. J.*, 1951, **49**, 714-744, (*ethers*)

Schaefer, T. *et al.*, *Can. J. Chem.*, 1984, **62**, 326-331, (*pmr*)

Cockerill, G.S. *et al.*, *J.C.S. Perkin I*, 2000, 2591-2599, (*benzyl ether, synth, pmr, cmr*)