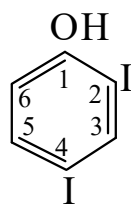




>>Entry Name: 2,4-Diiodophenol



CAS Registry Number: 2012-29-5

Molecular Formula: C₆H₄I₂O

Molecular Weight: 345.906

Accurate Mass: 345.835161

Percentage Composition: C 20.83%; H 1.17%; I 73.38%; O 4.63%

Physical Description: Needles (H₂O)

Melting Point: Mp 72°

Other Data: Sublimes

>>Derivative: Ac

CAS Registry Number: 36914-80-4

Molecular Formula: C₈H₆I₂O₂

Molecular Weight: 387.943

Accurate Mass: 387.845726

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

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 70-71°

>>Derivative: Benzoyl

Molecular Formula: C₁₃H₈I₂O₂

Molecular Weight: 450.014

Accurate Mass: 449.861376

Percentage Composition: C 34.70%; H 1.79%; I 56.40%; O 7.11%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 98°

>>Derivative: Me ether

Synonym(s): 2,4-Diiodo-1-methoxybenzene. 2,4-Diiodoanisole

CAS Registry Number: 28896-47-1

Molecular Formula: C₇H₆I₂O

Molecular Weight: 359.933

Accurate Mass: 359.850811

Percentage Composition: C 23.36%; H 1.68%; I 70.52%; O 4.45%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 68°

References:

Suzuki, H. *et al.*, *Bull. Chem. Soc. Jpn.*, 1963, **56**, 389, (*synth*)

Cambie, R. *et al.*, *J.C.S. Perkin I*, 1976, 1161, (*synth*)

Edgar, K.J. *et al.*, *J.O.C.*, 1990, **55**, 5287, (*synth*, *pmr*, *cmr*)

Muraki, T. *et al.*, *J.O.C.*, 1999, **64**, 2883-2889, (*Me ether*, *synth*, *ir*, *pmr*)