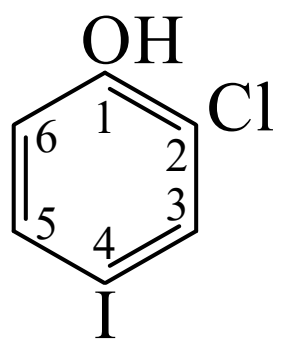




>>Entry Name: 2-Chloro-4-iodophenol, 9CI



CAS Registry Number: 116130-33-7

Related CAS Registry Numbers(s): 111154-96-2

Molecular Formula: C₆H₄ClIO

Molecular Weight: 254.454

Accurate Mass: 253.89954

Percentage Composition: C 28.32%; H 1.58%; Cl 13.93%; I 49.87%; O 6.29%

Physical Description: Needles (CCl₄)

Melting Point: Mp 54.5-55.5°

>>Derivative: Ac

Molecular Formula: C₈H₆ClIO₂

Molecular Weight: 296.491

Accurate Mass: 295.910105

Percentage Composition: C 32.41%; H 2.04%; Cl 11.96%; I 42.80%; O 10.79%

Physical Description: Prisms (MeOH)

Melting Point: Mp 49°

>>Derivative: Benzoyl

Molecular Formula: C₁₃H₈ClIO₂

Molecular Weight: 358.562

Accurate Mass: 357.925755

Percentage Composition: C 43.55%; H 2.25%; Cl 9.89%; I 35.39%; O 8.92%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 72°

References:

Brazier, S.A. *et al.*, *J.C.S.*, 1912, **101**, 968, (*synth*)

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