



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

CAS Registry Number: 71643-66-8

Structure by analogy with 2-Chloro-4-iodophenol, [LZR14-V](#)

Molecular Formula: C_6H_4ClIO

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: Cryst.

Melting Point: Mp 75.5-76.5°

>>Derivative: Benzoyl

Molecular Formula: $C_{13}H_8ClIO_2$

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: Needles (petrol)

Melting Point: Mp 88°

References:

Buchan, S. *et al.*, *J.C.S.*, 1931, 137, (*synth, deriv*)

Varma, P.S. *et al.*, *J. Indian Chem. Soc.*, 1939, **16**, 477, (*synth*)

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