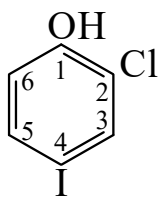




>>Entry Name: 2-Chloro-4-iodophenol, 9CI



**CAS Registry Number:** 116130-33-7

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

**Molecular Formula:** C<sub>6</sub>H<sub>4</sub>ClIO

**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 (CCl<sub>4</sub>)

**Melting Point:** Mp 54.5-55.5°

>>Derivative: Ac

**Molecular Formula:** C<sub>8</sub>H<sub>6</sub>ClIO<sub>2</sub>

**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:** C<sub>13</sub>H<sub>8</sub>ClIO<sub>2</sub>

**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*)