



## CERTIFICATE OF ANALYSIS

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### 1. Identification

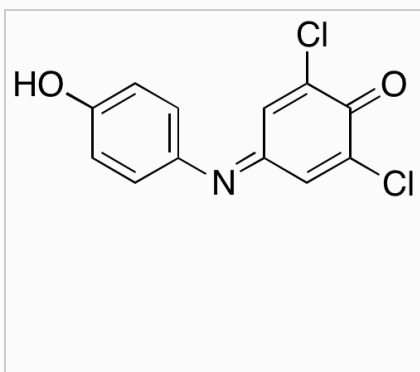
**Catalogue Number:** C177310

**CAS Number:** 956-48-9

**Product:** 2,6-Dichlorophenolindophenol (Technical Grade)

**Synonym:** 2,5-Cyclohexadien-1-one, 2,6-dichloro-4-[(4-hydroxyphenyl)imino]-; ndophenol, 2,6-dichloro- (8CI); 2,6-Dichloro-4-[(4-hydroxyphenyl)imino]-2,5-cyclohexadien-1-one; 2,6-Dichloroindophenol; DCIP; DCPIP; DPIP; Dichloroindophenol; Dichlorophenolindophenol; Dichlorophenylindophenol; Indochlorophenol; Tillmans Reagent; p-Hydroxyphenyl-2,6-dichloro-p-benzoquinoneimine

**Structure:**



**Molecular Formula:**

C<sub>12</sub>H<sub>7</sub>Cl<sub>2</sub>NO<sub>2</sub>

**Molecular weight:**

268.1

**Source of Product:**

N/A

**Solubility:**

DMSO (Slightly), Methanol (Slightly)

**Lot Number:** 12-TAH-143-1

**Purity:** Technical Grade

**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

| Tests:        | Specifications:          | Results:                       |
|---------------|--------------------------|--------------------------------|
| Appearance    | Dark Blue to Black Solid | Very Dark Blue Solid           |
| NMR           | Conforms to Structure    | Conforms                       |
| MS            | Conforms to Structure    | Conforms                       |
| Water Content | Report Result            | 12.5% by Karl Fischer          |
| UV Absorbance | Report Result            | 206 nm, 272 nm, 316 nm, 627 nm |

**Additional Information:** N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

| Reviewed By                                                                       | Reviewed By                                                                       | C of A Approved By                                                                | Test Date | Retest Date |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|-------------|
| Nicole Yip                                                                        | Toni Rantanen                                                                     | Chanell Chu                                                                       | 9/21/2021 | 9/19/2025   |
|  |  |  |           |             |