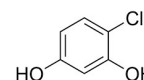




## TECHNICAL DATA SHEET

**Product name:** 4-chloro resorcinol



### Specifications

Parameters	Specifications	Typical results
Appearance	Off-White to light brown Powder	Complies
Moisture Content	NMT 0.5 %	0.21 %
Purity by GC	NLT 98.0 %	99.32

### Stability and storage:

4-Chlororesorcinol is generally considered stable under normal conditions. It is, however, incompatible with acid chlorides, acid anhydrides, and oxidizing agents. When heated, it can decompose and release irritating gases and vapours, including carbon monoxide, carbon dioxide, and hydrogen chloride gas.

Store in a properly labelled and tightly closed container. Keep the container in a dry and well-ventilated area, away from incompatible materials.

Protect the container from physical damage. Avoid prolonged or repeated breathing of vapours.

### Application Areas:

4-Chlororesorcinol (4CRN) is primarily used as a coupler in oxidative hair dye formulations, acting as a component that reacts with primary intermediates to produce the final dye-stuff.

It is also used as a precursor for synthesizing other pharmaceuticals and agrochemicals.

Furthermore, 4CRN has been investigated for its potential biological activities, including antimicrobial, antifungal, and antioxidant properties.

4CRN serves as a building block for the synthesis of other chemicals, including pharmaceuticals and agrochemicals.

### General information

CAS No. : 95-88-5  
 IUPAC Name : 4-Chloro-1,3-benzenediol  
 Synonyms : 4-Chloro-1,3-dihydroxy benzene

EC No : 202-462-0

### Physical/Chemical properties:

Molecular Formula : C<sub>6</sub>H<sub>5</sub>O<sub>2</sub>Cl  
 Molecular weight : 144.5  
 Melting point : 106°C to 108°C  
 Vapour pressure : 146°C to 148°C  
 Solubility : Alcohol  
 Physical state at 20°C : Solid

Flash Point : 148 °C

### Hazard classification & labelling:

Single Word : Warning

Pictogram :



Classification according to Regulation (EC) No 1272/2008: : H302 + H312 + H332, H315, H319, H335

Precautionary statement(s) : P261, P280, P305 + P351 + P338