



## Product Information

### Microtubule/Tubulin inhibitor, Chloroxine, Purity $\geq 98\%$

**Cat. No.:** X24-08-YM215

**Size:** 10 mg; 25 mg; 50 mg; 100 mg

**MDL:** MFCD00006786

**CAS Number:** 773-76-2

**Compound CID:** 2722

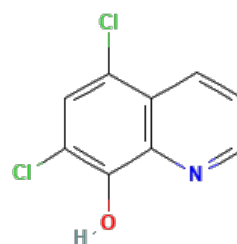
**Synonym:** 773-76-2; Capitrol; 5,7-Dichloroquinolin-8-ol;

5,7-Dichloro-8-hydroxyquinoline; 5,7-Dichloro-8-quinolinol; Capitrol; Chlorquinol;

Dichloroxin; Quixalin; Chloroxyquinoline; Dichloroquinolinol; Dikhloroskin; Clofuzid;

Endiaron; Dichlorohydroxyquinoline; Chlofucid; Quinolor; Quesyl

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	Chloroxine, soluble in DMSO and insoluble in water and ethanol, is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting microtubule/tubulin.
<b>Molecular Weight</b>	214.1
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>5</sub> Cl <sub>2</sub> NO
<b>IUPAC Name</b>	5,7-Dichloroquinolin-8-ol
<b>InChI</b>	InChI=1S/C9H5Cl2NO/c10-6-4-7(11)9(13)8-5(6)2-1-3-12-8/h1-4,13H
<b>InChI Key</b>	WDFKMLRRRCGAKS-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C1=CC2=C(C(=C(C=C2Cl)Cl)O)N=C1
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Titer</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
<b>Solubility</b>	<i>In vitro</i> : DMSO: 40 mg/mL (186.87 mM); Water: insoluble; Ethanol: insoluble
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Chloroxine is a cytoskeletal signaling inhibitor that can be studied extensively for its potential therapeutic applications in the treatment of skin infections caused by bacteria and fungi, including conditions such as ringworm and athlete's foot.



## Storage

Store at -20°C, and keep desiccated.

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