

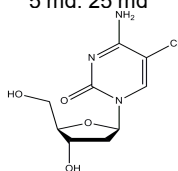
**PRODUCT: Cytochlor**

**ALTERNATE NAME:** 5-Chloro-2'-deoxycytidine; 4-amino-5-chloro-1-((2R,4S,5R)-4-hydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)pyrimidin-2(1H)-one; CldC; Cytidine, 5-chloro-2'-deoxy-

**CATALOG #:** 2833-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>9</sub>H<sub>12</sub>ClN<sub>3</sub>O<sub>4</sub>

**MOLECULAR WEIGHT:** 261.66

**CAS NUMBER:** 32387-56-7

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** H<sub>2</sub>O (~ 3.5 mg/ml; may need sonification for complete dissolution)

**PURITY:** ≥97%

**STORAGE:** Store at -20 °C. Hygroscopic

**DESCRIPTION:** Cytochlor is a radio-sensitizing pyrimidine nucleoside with potential antineoplastic activity. Cytochlor could be a potentially useful reagent to study chlorine-stressed DNA.

**REFERENCES:** Hale, J.T., *et al.* (2002). *Biochem. Pharmacol.* **64**, 1493-1502.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Tetrahydrouridine (**Cat. No. 1671-10, 25**)

EZSolution™ Tetrahydrouridine (**Cat. No. 2355-25**)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**