Product Data Sheet

5-Chlorouracil

Cat. No.: HY-I0959

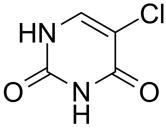
CAS No.: 1820-81-1Molecular Formula: $C_4H_3ClN_2O_2$ Molecular Weight: 146.53

Target: Biochemical Assay Reagents

Pathway: Others

Storage: 4°C, sealed storage, away from moisture

* In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	5-Chlorouracil (Fluorouracil Impurity) is a biochemical reagent that can be used as a biological material or organic compound for life science related research.
In Vitro	5-Chlorouracil is a chlorinated derivative of the pyrimidine nucleoside base uracil. In vivo, it is converted into chlorodeoxyuridine, which is mutagenic and genotoxic. Uracil is chlorinated at the 5 position in a cell-free myeloperoxidase, peroxide, and chloride system in which hypochlorous acid is formed.2 5-Chlorouracil has been found in human neutrophils stimulated with phorbol 12-myristate 13-acetate in vitro and in inflammatory human exudate isolated from sites of superficial infection. Levels of 5-chlorouracil are incre ased in exudate isolated from the site of inflammation in a rat model of carrageenan-induced inflammation and in patient-derived human atherosclerotic aortic tissue. References MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA