

5-Chlorouracil

Cat. No.:	HY-I0959
CAS No.:	1820-81-1
Molecular Formula:	C ₄ H ₃ ClN ₂ O 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. 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 increased 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.

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