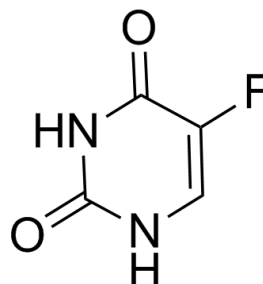


Product Name	: 5-Fluorouracil
Synonyms	: 5-FU; Fluorouracil
Cat No.	: M14770
CAS Number	: 51-21-8
Molecular Formula	: C ₄ H ₃ FN ₂ O ₂
Formula Weight	: 130.08
Chemical Name	: 2,4(1H,3H)-Pyrimidinedione, 5-fluoro-
Description	: An uridine analog that is a widely used chemotherapeutic agent; affects pyrimidine synthesis by inhibiting thymidylate synthase (TS), inhibits DNA/RNA synthesis in cancer cells. Chemotherapeutic Agents Approved
Pathway	: Cell Cycle/DNA Damage
Target	: Nucleoside Antimetabolite/Analog
Receptor	: Thymidylatesynthase
Solubility	: DMSO: 15 mg/mL
SMILES	: <chem>O=C1NC(C(F)=CN1)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Longley DB, et al. Nat Rev Cancer. 2003 May;3(5):330-8. | 2. Sugamura K, et al. Cancer. 1997 Jan 1;79(1):12-7. | 3. Shchepotin IB, et al. Anticancer Res. 1994 May-Jun;14(3A):1027-31.