



## Product Information

CAS Registry No. 51-21-8

Product Name: **5-Fluorouracil**

Catalog No. **F4480**

Chemical Name: 5-Fluoro-2,4-(1H,3H)-pyrimidinedione

Synonym(s): Fluorouracil; 5-FU;  
2,4-dioxo-5-fluoropyrimidine

Mol. formula:  $C_4H_3FN_2O_2$

Formula wt: 130.08

M.p. 282°C-283°C(dec.)

B.p.

Purity:  $\geq 98\%$

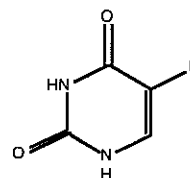
Solubility: Slightly soluble in water (12mg/mL).

Stability (in original shipping container): Sensitive to light.

Storage temp: Ambient

### Product Description:

A pyrimidine antimetabolite. Prevents the biosynthesis of thymidine during DNA synthesis. It induces apoptosis in human gastric carcinoma cells.



### References:

Ananthan, S. Foye, W.O. (Ed.) *ACS Professional Reference*. pp. 49-54, 1995.

Itoh, H., Kaibara, N. *Cancer*. 79:12-17 (1997).

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.

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