



LKT Laboratories, Inc.

## 5-Fluorocytosine

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### Product Information

**Product ID** F4581

**CAS No.** 2022-85-7

**Chemical Name** 6-amino-5-fluoro-2(1H)-pyrimidinone

**Synonym** Flucytosine, Ancobon, Ancotil, 5-FC, NSC 103805, Ro 2-9915

**Formula** C<sub>4</sub>H<sub>4</sub>FN<sub>3</sub>O

**Formula Wt.** 129.09

**Melting Point**

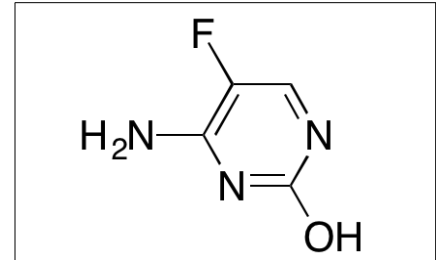
**Purity** ≥98%

**Solubility** Soluble in water (1.5 g/100 mL or 0.089 M).

**Store Temp** 4° C

**Ship Temp** Ambient

**Description** 5-Fluorocytosine, or Flucytosine, is a synthetic fluorinated pyrimidine analog that is used as an antifungal agent. In the presence of the enzyme cytosine deaminase it is converted to 5-fluorouracil, an antimetabolite that is an inhibitor of thymidylate synthase.



**Bulk quantities available upon request**

Product ID	Size
F4581	500 mg
F4581	1 g
F4581	5 g
F4581	10 g

**References** Huang TT, Parab S, Burnett R, et al. Intravenous administration of retroviral replicating vector, Toca 511, demonstrates therapeutic efficacy in orthotopic immune-competent mouse glioma model. *Hum Gene Ther.* 2015 Feb; 26(2):82-93. PMID: 25419577.

Davoudi N, Khamesipour A, Mahboudi F, McMaster WR. A dual drug sensitive L. major induces protection without lesion in C57BL/6 mice. *PLoS Negl Trop Dis.* 2014 May 29; 8(5):e2785. PMID: 24873970.

O'Connor L, Livermore J, Sharp AD, et al. Pharmacodynamics of liposomal amphotericin B and flucytosine for cryptococcal meningoencephalitis: safe and effective regimens for immunocompromised patients. *J Infect Dis.* 2013 Jul 15; 208(2):351-361. PMID: 23599314.

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