

## Certificate of Analysis

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**Product Name:** 5-Fluoroorotic acid

CAS Number: 703-95-7

IUPAC Name: 5-Fluoro-1,2,3,6-tetrahydro-2,6-dioxo-4-pyrimidinecarboxylic acid

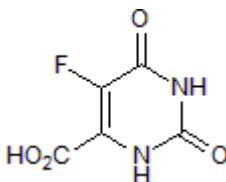
**Catalog No.:** 5501

**Batch No.:** 1

EC Number: 211-876-0

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>5</sub>H<sub>3</sub>FN<sub>2</sub>O<sub>4</sub>  
**Batch Molecular Weight:** 174.09  
**Physical Appearance:** White solid  
**Solubility:** 4M NH<sub>4</sub>OH to 100 mM  
DMSO to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**HPLC:** Shows 99.7% purity

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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CAS Number: 703-95-7

IUPAC Name: 5-Fluoro-1,2,3,6-tetrahydro-2,6-dioxo-4-pyrimidinecarboxylic acid

**Catalog No.:** 5501

**Batch No.:** 1

EC Number: 211-876-0

**Description:**

Reagent for selection of Orotidine-5'-phosphate decarboxylase mutants of *Saccharomyces cerevisiae*.

**Physical and Chemical Properties:**

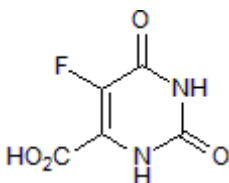
Batch Molecular Formula: C<sub>5</sub>H<sub>3</sub>FN<sub>2</sub>O<sub>4</sub>

Batch Molecular Weight: 174.09

Physical Appearance: White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

4M NH<sub>4</sub>OH to 100 mM

DMSO to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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