



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

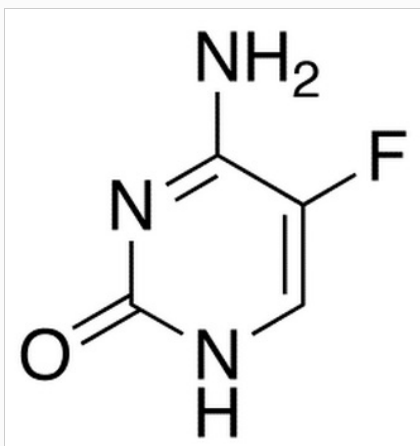
Catalogue Number: F589000

CAS Number: 2022-85-7

Product: 5-Fluoro Cytosine

Synonym: 4-Amino-5-fluoro-2(1H)-pyrimidine;
Flucytosine, 5-FC; NSC 103805 6-Amino-5-fluoro-2(1H)-pyrimidinone

Structure:



Molecular Formula:

C₄H₄FN₃O

Molecular weight:

129.09

Source of Product:

N/A

Solubility:

Aqueous Base, DMSO
(Slightly, Heated), Methanol
(Slightly, Heated)

Lot Number: 6-GHZ-124-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be
Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 36.97, %H: 2.99, %N: 32.20
F NMR	Conforms to Structure	Conforms
HPLC Purity	>95%	98.88% (205 nm)

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol : Ammonium Hydroxide = 8 : 2 : 0.5; Visualized with UV and KMnO₄; Single Spot, R_f = 0.30. Elemental Analysis: (Theoretical) %C: 37.22, %H: 3.12, %N: 32.55

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Neha Khanna	Toni Rantanen	My Nguyen	12/11/2019	12/9/2029
				