



CERTIFICATE OF ANALYSIS

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1. Identification

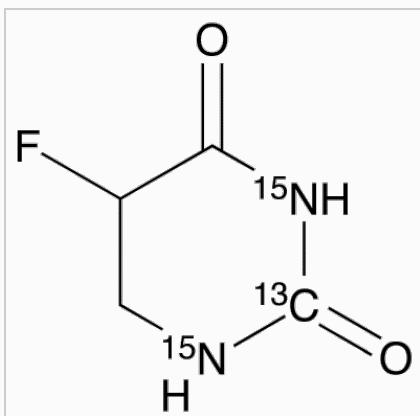
Catalogue Number: F591027

CAS Number: 1189492-99-6

Product: 5-Fluorodihydropyrimidine-2,4-dione-¹³C,¹⁵N₂

Synonym: 5,6-Dihydro-5-fluorouracil-¹³C,¹⁵N₂; 5-Fluoro-5,6-dihydrouracil-¹³C,¹⁵N₂; 5-Fluorodihydrouracil-¹³C,¹⁵N₂; 5-Fluorohydrouracil-¹³C,¹⁵N₂; 5-DHFU-¹³C,¹⁵N₂;

Structure:



Molecular Formula:

$C_3^{13}CH_5F^{15}N_2O_2$

Molecular weight:

135.07

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 25-BHW-193-1

Purity: 96%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Off-White to Light Brown Solid	Pale Brown to Light Brown Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 35.62, %H: 3.67, %N: 20.46
HPLC Purity	Report Result	96.14% (ELSD)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.1%
F NMR	Conforms to Structure	Conforms
N NMR	Conforms to Structure	Conforms

Additional Information:

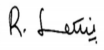
Normalized Intensity: d0 = 0.02%, d1 = 0.30%, d2 = 1.93%, d3 = 97.75%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. 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

swathi reddy



Reviewed By

Toni Rantanen



**C of A Approved
By**

Chanell Chu



Test Date

11/30/2023

Retest Date

11/28/2027