



CERTIFICATE OF ANALYSIS

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1. Identification

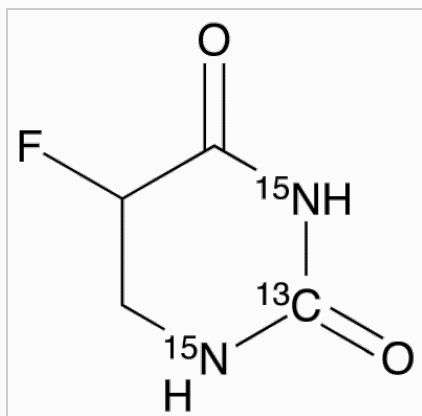
Catalogue Number: F591027

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: 15-YSW-30-1

Purity: 95%

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 Beige Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
N NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.8%

Additional Information: Normalized Intensity: d0 = 0.09%, d1 = 0.20%, d2 = 0.00%, d3 = 99.71%

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

Nicole Yip



Reviewed By

Toni Rantanen



**C of A Approved
By**

Christina Gouliaras



Test Date

4/18/2022

Retest Date

4/16/2026