



# CERTIFICATE OF ANALYSIS

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## 1. Identification

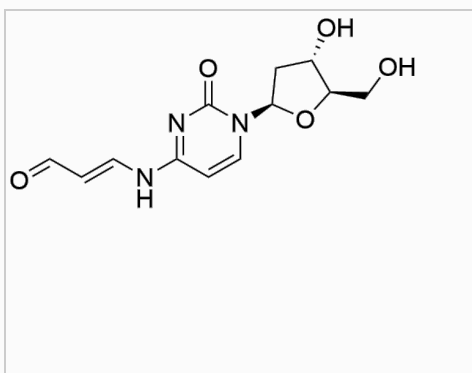
**Catalogue Number:** D330060

**CAS Number:** 666718-05-4

**Product:** 2'-Deoxy-N-(3-oxo-1-propenyl)cytidine

**Synonym:**

**Structure:**



**Molecular Formula:**

C<sub>12</sub>H<sub>15</sub>N<sub>3</sub>O<sub>5</sub>

**Molecular weight:**

281.26

**Source of Product:**

Synthetic

**Solubility:**

DMSO (Slightly), Water (Slightly)

**Lot Number:** 5-CKM-52-1

**Purity:** 98%

**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         | Orange to Dark Orange Solid | Orange to Dark Orange Solid    |
| NMR                | Conforms to Structure       | Conforms                       |
| Elemental Analysis | Conforms                    | %C: 51.11, %H: 5.39, %N: 14.14 |
| HPLC Purity        | Report Result               | 99.60% (325 nm)                |
| MS                 | Conforms to Structure       | Conforms                       |
| Specific Rotation  | Report Result               | +93.2° (c = 0.1, Water)        |

**Additional Information:** N/A

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 |
|-------------|---------------|--------------------|-----------|-------------|
| Nicole Yip  | Toni Rantanen | Chanell Chu        | 7/11/2023 | 7/9/2027    |