

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2023-06-07 13:12:16

Date of Next Testing: 2026-06-06 13:12:16

Product Name: 2',3'-Di-O-acetyl-5'-deoxy-5-fluoro-N4-(pentoxycarbonxyl)cytidine

CAS Number: 162204-20-8

Specifications & Purity: ≥98%

Lot #: F2301803

SKU #: D339756

Version: 3

Analysis #: 212054

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                        | Limit Values                            | Result                                  |
|--------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Purity(HPLC)                                     | 98-100 (%)                              | 98.10500 %                              |
| Melting point                                    | 109-113 (°C)                            | 109.42000 °C                            |
| Specific rotation $[\alpha]_{20/D}(C=1, CHCl_3)$ | 82-86 (°)                               | 85.76000 °                              |
| Proton NMR spectrum                              | Conforms to structure                   | Conforms to Structure                   |
| Appearance(D339756)                              | White to Almost white powder to crystal | White to Almost white powder to crystal |



John Su  
QA & QC Manager