

## Certificate of Analysis

Date of Testing: 2025-06-28 12:05:45

Date of Next Testing: 2029-06-27 12:05:45

Product Name: **N6-Benzoyl-5'-O-(4,4'-dimethoxytrityl)-2'-deoxyadenosine**

CAS Number: 64325-78-6

Specifications & Purity:  $\geq 99\%$

Lot #: F2525128

SKU #: **B119470**

Version: **0**

Analysis #: **518464**

Storage Temperature: Store at -20°C, Argon charged

| Parameter                                                                           | Limit Values              | Result                    |
|-------------------------------------------------------------------------------------|---------------------------|---------------------------|
| Carbon by Elemental Analysis                                                        | 68-70.8 (%)               | 69.84 %                   |
| Purity( total nitrogen )                                                            | 98-100 (%)                | 99.54 %                   |
| Nitrogen by Elemental Analysis                                                      | 10.3-10.9 (%)             | 10.58 %                   |
| Purity(HPLC)                                                                        | 99-100 (%)                | 100.00000 %               |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$                            | -12~-9 (°)                | -9.49 °                   |
| Appearance (B119470)                                                                | White to Off-White Powder | White to Off-White Powder |
| Proton NMR spectrum                                                                 | Conforms to Structure     | Conforms to Structure     |
| Solubility in CHCL <sub>3</sub> , clear colorless to light yellow solution, 50mg/ml | pass                      | Pass                      |



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