

Certificate of Analysis

Date of Testing: 2025-05-15 10:33:15

Date of Next Testing: 2029-05-14 10:33:15

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

CAS Number: 64325-78-6

Specifications & Purity: $\geq 99\%$

Lot #: E2507244

SKU #: **B119470**

Version: **0**

Analysis #: **344503**

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

Parameter	Limit Values	Result
Carbon by Elemental Analysis	68-70.8 (%)	68.10 %
Purity(total nitrogen)	98-100 (%)	98.01 %
Nitrogen by Elemental Analysis	10.3-10.9 (%)	10.35 %
Purity(HPLC)	99-100 (%)	99.30800 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$	-12~-9 (°)	-9.20 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (B119470)	White to Off-White Powder	White to Off-White Powder
Solubility in CHCL ₃ , clear colorless to light yellow solution, 50mg/ml	pass	Pass



John Su
QA & QC Manager