



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-253169
Lot Number: SAMPLE
Product Name: (-)-N⁶-(2-Phenylisopropyl)adenosine
CAS Number: 38594-96-6
Molecular Formula: C₁₉H₂₃N₅O₄
Molecular Weight: 385.42

Test	Specification	Result
Appearance	White powder	Complies
Identification (NMR)	Consistent with structure (DMSO-d ₆)	Complies
Purity (TLC)	≥ 98.00%	99.50%
Concentration	9.00 - 11.00 mg/ml (Dimethylformamide)	10.00 mg/ml (Dimethylformamide)
Solubility	Clear colorless at 49.00 - 51.00 mg/ml in acetic acid	Clear colorless at 49.87 mg/ml in acetic acid
Extinction Coefficient	15.00 - 19.00 (water)	17.94 (water)
Specific Rotation	-156.00 - -150.00° (Dimethylformamide)	-153.80° (Dimethylformamide)
λ _{max}	268 - 272 nm (water)	270 nm (water)
Carbon Content	58.71 - 59.71% (anhydrous)	59.21% (anhydrous)
Nitrogen Content	17.67 - 18.67 % (anhydrous)	18.39 % (anhydrous)
Water Content (KF)	≥ 0.00%	0.42%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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