



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-478892
Lot Number: SAMPLE
Product Name: Adenosine-13C5
CAS Number: 159496-13-6
Molecular Formula: $C_{513}C_5H_{13}N_5O_4$
Molecular Weight: 272.20

Test	Specification	Result
Appearance		White to off-white solid
Identification (1H-NMR)		Consistent with structure
Identification (13C-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		99.0%
Purity (TLC)		98%
Atmosphere		Inert Gas
Melting Point		233 - 235 °C
Solubility		DMSO (Sparingly), Water (Slightly, Sonicated)
Specific Rotation		-53.8° (c = 0.3, Water)
Carbon Content	44.10%	40.54%
Hydrogen Content	4.81%	5.31%
Methanol		2.4%
Nitrogen Content	25.73%	23.33%
Water Content		5.98% based on Elemental Analysis

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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