



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-479522
Lot Number: SAMPLE
Product Name: Adenosine 5'-Diphosphate-13C5 Ammonium Salt Hydrate
CAS Number:
Molecular Formula: $C_5(13C)_5H_{15}N_5O_{10}P_2 \cdot xNH_3 \cdot xH_2O$
Molecular Weight: 432.16
Native Source: Synthetic

Test	Result
Appearance	Light brown solid
Identification (1H-NMR)	Consistent with structure
Identification (13C-NMR)	Consistent with structure
Identification (31P-NMR)	Consistent with structure
Identification (Mass Spectrometry)	Consistent with structure
Isotopic Purity	98.4%
Purity (TLC)	95%
Atmosphere	Inert gas
Melting Point	>148°C (dec.)
Solubility	Water (slightly)
Carbon Content	23.85%
Hydrogen Content	5.02%
Nitrogen Content	20.15%
Water Content	7.16% 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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