



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-480672
Lot Number: SAMPLE
Product Name: 5-Aminoimidazole-4-carboxamide-1-β-D-ribofuranoside-13C2,15N
CAS Number: 2627-69-2 (unlabeled)
Molecular Formula: $C_7^{13}C_2H_{14}N_4^{15}NO_5$
Molecular Weight: 261.21
Native Source: Synthetic

Test	Specification	Result
Appearance		White to off white solid
Identification (¹ H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Identification (TLC)		Complies
Isotopic Purity		99.7%
Purity (HPLC)		98.93%
Atmosphere		Air
Melting Point		148 - 150 °C
Solubility		DMSO, Methanol
Carbon Content	41.36%	39.70%
Hydrogen Content	5.40%	5.51%
Nitrogen Content	21.45%	20.61%
Water Content (KF)		3.3%

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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