



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-478235
Lot Number: SAMPLE
Product Name: Nicotinic Acid-13C1
CAS Number: 57987-14-1
Molecular Formula: $C_{513}CH_5NO_2$
Molecular Weight: 124.1
Native Source: Synthetic

Test	Specification	Result
Appearance		Light beige solid
Identification (1H -NMR)		Consistent with structure
Identification (^{13}C -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		99.1%
Purity (TLC)		97%
Atmosphere		Air
Melting Point		> 167 °C (dec.)
Solubility		DMSO (slightly, heated), methanol (slightly, heated)
Carbon Content	58.05%	57.81%
Hydrogen Content	4.06%	3.96%
Nitrogen Content	11.29%	11.19%

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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