



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-491308
Lot Number: SAMPLE
Product Name: Hydrocinnamic Acid-13C3
CAS Number: 501-52-0 (unlabeled)
Molecular Formula: $C_6(^{13}C)_3H_{10}O_2$
Molecular Weight: 150.17
Native Source: Synthetic

Test	Specification	Result
Appearance		Off-white waxy 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)		98 %
Atmosphere		Air
Melting Point		47 - 48 °C
Solubility		Chloroform (slightly), Ethyl Acetate (slightly)
Carbon Content	70.55 %	70.25 %
Hydrogen Content	6.58 %	Complies

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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