



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-490060
Lot Number: SAMPLE
Product Name: (3R)-3-Hydroxybutyric Acid-1-13C
CAS Number: 625-72-9 (unlabeled)
Molecular Formula: $C_{313}H_8O_3$
Molecular Weight: 105.1
Native Source: Synthetic

Test	Specification	Result
Appearance		Colorless to pale yellow oil
Identification (1H -NMR)		Consistent with structure
Identification (^{13}C -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		99.8%
Purity (TLC)		98%
Atmosphere		Air
Solubility		DMSO (slightly), Ethyl Acetate (slightly), Water (slightly)
Specific Rotation		-14.8 ° (c = 0.5, Water)
Carbon Content	45.69%	45.80%
Hydrogen Content	7.67%	7.56%

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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