



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-482713
Lot Number: SAMPLE
Product Name: 2-Methylbutyryl-L-carnitine-d3 chloride
CAS Number:
Molecular Formula: $C_{12}H_{21}D_3NO_4 \cdot Cl$
Molecular Weight: 284.79
Native Source: Synthetic

Test	Specification	Result
Appearance		Off-white sticky solid
Identification (1H-NMR)		Consistent with structure
Identification (19F-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		99.7%
Purity (TLC)		97%
Atmosphere		Air
Solubility		Methanol (slightly), Water (slightly)
Carbon Content	50.61%	49.43%
Chloride		13.23% by Ion Chromatography
Hydrogen Content	8.51%	8.31%
Nitrogen Content	4.92%	4.72%

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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