



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-479818
Lot Number: SAMPLE
Product Name: 3-Hydroxyhexadecanoylcarnitine inner salt
CAS Number: 195207-76-2
Molecular Formula: $C_{23}H_{45}NO_5$
Molecular Weight: 415.61
Native Source: Synthetic

Test	Specification	Result
Appearance		White to off-white solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isomer		A mixture containing both the 3R and 3S structures
Purity (TLC)		96%
Atmosphere		Inert gas
Melting Point		> 113 °C (dec.)
Solubility		DMSO (slightly, heated), Methanol (slightly)
Carbon Content	66.47%	62.32%
Hydrogen Content	10.91%	10.86%
Nitrogen Content	3.37%	3.14%
Water Content		4.3% (based on Elemental Analysis)

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com