



*The Power to Question*

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-211082  
Lot Number: SAMPLE  
Product Name: Cholesterol-d7  
CAS Number: 83199-47-7  
Molecular Formula:  $C_{27}H_{38}D_7O$   
Molecular Weight: 393.70

Test	Specification	Result
Appearance		White solid
Identification ( $^1H$ -NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Isotopic Purity		95%
Purity (TLC)		98%
Atmosphere		Air
Melting Point		146 - 148 °C
Solubility		Chloroform and methanol
Specific Rotation		-49.25°
Carbon Content	82.37%	82.69%
Hydrogen Content	11.77%	12.24%

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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