



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-480556
Lot Number: SAMPLE
Product Name: 5 α -Androstenone-d4
CAS Number: 18339-16-7 (unlabeled)
Molecular Formula: C₁₉H₂₄D₄O
Molecular Weight: 276.45
Native Source: Synthetic

Test	Specification	Result
Appearance		White solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		99.5%
Purity (GC)		99.54%
TLC		Complies
Atmosphere		Air
Melting Point		143.0 - 144.0 °C
Solubility		Chloroform, Methanol (sparingly)
Specific Rotation		+41.4° (c = 0.28, Chloroform)
Carbon Content	82.55%	82.22%
Hydrogen Content	10.22%	10.53%

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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