



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-216872
Lot Number: SAMPLE
Product Name: 4-Hydroxy-17 β -estradiol-16,16,17-d5
CAS Number: 221093-38-5
Molecular Formula: C₁₈H₂₁D₃O₃
Molecular Weight: 291.40
Native Source: Synthetic

Test	Specification	Result
Appearance	Pale beige solid	Complies
Identification (NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Isotopic Purity	> 95%	97.90%
Purity (HPLC)	> 95%	95.02% (205 nm)
Purity (TLC)		97%
Specific Rotation		+65.3° (c = 0.2, Ethanol)
Carbon Content	73.68%	72.63%
Hydrogen Content	8.25%	8.42%
Methanol		1.1%

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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