



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-213627
Lot Number: SAMPLE
Product Name: 17 α -Estradiol-16,16,17-d3
CAS Number: 79037-37-9
Molecular Formula: C₁₈H₂₁D₃O₂
Molecular Weight: 275.40
Native Source: Synthetic

Test	Specification	Result
Appearance	White to Off-White Solid	White solid
Identification (NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Isotopic Purity	> 95%	97.9%
Purity (HPLC)	> 95%	99.54% (220 nm)
Purity (TLC)		98%
Specific Rotation		+47.3° (c = 0.2, Dioxane)
Carbon Content	78.50%	76.80%
Hydrogen Content	8.79%	9.42%

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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