



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-213616
Lot Number: SAMPLE
Product Name: 16-Keto-17 β -estradiol-d5
CAS Number: 566-75-6 (unlabeled)
Molecular Formula: C₁₈H₁₇D₅O₃
Molecular Weight: 291.40
Native Source: Synthetic

Test	Specification	Result
Appearance		Off-white solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (HPLC)		96.91%
TLC		Complies
Atmosphere		Air
Melting Point		234 - 239 °C
Solubility		DMSO, Ethanol, Methanol
Specific Rotation		-54.5° (c = 0.1, Ethanol)
Carbon Content	74.19%	73.49%
Hydrogen Content	7.61%	7.33%

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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