



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-216917
Lot Number: SAMPLE
Product Name: 4-Methoxy-d3-17 β -estradiol
CAS Number: 1334143-12-2
Molecular Formula: C₁₉H₂₃D₃O₃
Molecular Weight: 305.43
Native Source: Synthetic

Test	Specification	Result
Appearance		Off-White to Pale Beige Solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		98.4%
Purity (TLC)		97%
Atmosphere		Air
Melting Point		>158 °C (dec.)
Solubility		Chloroform (Slightly), Methanol (Slightly)
Carbon Content	74.72%	71.61%
Hydrogen Content	8.59%	8.89%
Water Content		4.1% based on Elemental Analysis

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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