



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-496886
Lot Number: SAMPLE
Product Name: Estradiol 17-Valerate-d9
CAS Number: 1316648-98-2
Molecular Formula: $C_{23}H_{23}D_9O_3$
Molecular Weight: 365.55
Native Source: Synthetic

Test	Specification	Result
Appearance		White to off-white solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		97.5%
Purity (TLC)		97%
Atmosphere		Air
Melting Point		142 - 145 °C
Solubility		Chloroform (slightly), Methanol (slightly, heated)
Specific Rotation		+46.0° (c = 0.2, Chloroform)
Carbon Content	75.57%	74.63%
Hydrogen Content	8.77%	8.76%

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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