



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-483675
Lot Number: SAMPLE
Product Name: 16 α -Methyl Prednisolone
CAS Number: 10417-63-7
Molecular Formula: C₂₂H₃₀O₅
Molecular Weight: 374.47
Native Source: Synthetic

Test	Specification	Result
Appearance	Off-white to light yellow solid	Light yellow solid
Identification (NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (HPLC)	> 95%	95.68% (245 nm)
Purity (TLC)		97%
Specific Rotation		+72.7° (c = 0.1, Dioxane)
Carbon Content	70.56%	69.46%
Dimethylformamide		~ 1.7%
Hydrogen Content	8.07%	8.15%

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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