



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-219621
Lot Number: SAMPLE
Product Name: Pilocarpine-d3 Hydrochloride
CAS Number: 54-71-7 unlabeled
Molecular Formula: $C_{11}H_{14}D_3ClN_2O_2$
Molecular Weight: 247.74

Test	Specification	Result
Appearance	White to off-white solid	Complies
Assay	$\geq 95 \%$	97.8 % (qNMR)
Identification (1H-NMR)	Conforms to structure	Complies
Identification (Mass Spectrometry)	Conforms to structure	Complies
Isotopic Enrichment	$\geq 98 \%$	99.5 %
Purity (HPLC)	$\geq 98 \%$	99.5 %
Elemental Analysis	Conforms to structure	Complies
Residual Solvents		No residual solvent
Specific Rotation ($\alpha_{20/D}$)	+85.0 ~ +95.0° (c=0.51, H ₂ O)	+92.2°

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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