



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-489174
Lot Number: SAMPLE
Product Name: Lidocaine-d6 Hydrochloride
CAS Number: 73-78-9 (unlabeled)
Molecular Formula: $C_{14}H_{17}D_6ClN_2O$
Molecular Weight: 276.84

Test	Specification	Result
Appearance		Off-white solid
Identification (1H -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		99.3%
Purity (TLC)		98%
Atmosphere		Air
Melting Point		62.0 - 64.0 °C
Solubility		Chloroform, Methanol
Carbon Content	60.74%	57.38%
Chloride		11.53%
Hydrogen Content	8.39%	8.42%
Nitrogen Content	10.12%	9.51%
Water Content		5.53% (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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