



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-475593
Lot Number: SAMPLE
Product Name: Varenicline-d2,15N2 Dihydrochloride
CAS Number:
Molecular Formula: $C_{13}H_{13}D_2Cl_2N_{15}N_2$
Molecular Weight: 288.18

Test	Specification	Result
Appearance		Beige solid
Identification (1H-NMR)		Consistent with structure
Identification (15N-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		98.3%
Purity (TLC)		98%
Atmosphere		Air
Melting Point		> 172 °C (dec.)
Solubility		DMSO (slightly), Methanol (slightly)
Carbon Content	54.18%	51.01%
Chloride		23.3%
Hydrogen Content	5.27%	5.68%
Nitrogen Content	14.64%	13.80%
Water Content		5.74% (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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