



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-208097
Lot Number: SAMPLE
Product Name: Nicotine-d4
CAS Number: 350818-69-8
Molecular Formula: $C_{10}H_{10}D_4N_2$
Molecular Weight: 166.26
Native Source: Synthetic

Test	Specification	Result
Appearance	Yellow to Dark Brown Oil	Clear Yellow to Orange Oil
Identification (NMR)	Conforms to structure	Complies
Identification (Mass Spectrometry)	Conforms to structure	Complies
Isotopic Purity	> 95%	97.0%
Purity (TLC)		97%
Elemental Analysis	%C: 72.24 %H: 8.49 %N: 16.85	%C: 70.37 %H: 8.56 %N: 17.15
Solubility		Chloroform (Slightly), Methanol (Slightly)
Water Content		~2.5% (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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