



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-460047  
Lot Number: SAMPLE  
Product Name: N1-Acetylspermidine-d6 Dihydrochloride  
CAS Number: 34450-16-3 unlabeled  
Molecular Formula:  $C_9H_{15}D_6N_3O \cdot 2HCl$   
Molecular Weight: 266.24  
Native Source: Synthetic

| Test                               | Specification             | Result                       |
|------------------------------------|---------------------------|------------------------------|
| Appearance                         | White to Pale Beige Solid | White Solid                  |
| Identification (NMR)               | Consistent with structure | Complies                     |
| Identification (Mass Spectrometry) | Consistent with structure | Complies                     |
| Isotopic Purity                    | > 95%                     | 98.5%                        |
| Purity                             |                           | 95%                          |
| Purity (HPLC)                      | > 95%                     | 95.26%                       |
| Carbon Content                     | 40.60%                    | 36.47%                       |
| Chloride                           |                           | 25.88% by Ion Chromatography |
| Hydrogen Content                   | 8.74%%                    | 8.30%                        |
| Nitrogen Content                   | 15.78%                    | 14.10%                       |

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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