



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-491279  
Lot Number: SAMPLE  
Product Name: di(2-Hydroxy Atorvastatin-d5) Calcium Salt  
CAS Number: 265989-47-7  
Molecular Formula:  $C_{66}H_{58}D_{10}F_2N_4O_{12} \cdot Ca$   
Molecular Weight: 1197.42  
Native Source: Synthetic

| Test                               | Specification             | Result                         |
|------------------------------------|---------------------------|--------------------------------|
| Appearance                         |                           | Off-white to pale yellow solid |
| Identification (1H-NMR)            | Consistent with structure | Complies                       |
| Identification (19F-NMR)           |                           | Consistent with structure      |
| Identification (Mass Spectrometry) | Consistent with structure | Complies                       |
| Isotopic Purity                    |                           | 97.3%                          |
| Purity (TLC)                       |                           | 96%                            |
| Melting Point                      |                           | > 152 °C (dec.)                |
| Specific Rotation                  |                           | -15.8° (c = 0.2, DMSO)         |
| Calcium                            |                           | 2.58% by Ion Chromatography    |
| Carbon Content                     | 66.20%                    | 65.68%                         |
| Hydrogen Content                   | 5.73%                     | 5.76%                          |
| Nitrogen Content                   | 4.68%                     | 4.64%                          |

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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