



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-220408  
Lot Number: SAMPLE  
Product Name: Zofenopril-d5  
CAS Number: 81872-10-8 unlabeled  
Molecular Formula:  $C_{22}H_{18}D_5NO_4S_2$   
Molecular Weight: 434.58

| Test                               | Specification                                            | Result                                                   |
|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Appearance                         | White to off-white solid                                 | Complies                                                 |
| Assay                              | not less than 95.0%                                      | 96.7%                                                    |
| Identification (1H-NMR)            |                                                          | Complies                                                 |
| Identification (Infrared Spectrum) |                                                          | Complies                                                 |
| Identification (Mass Spectrometry) |                                                          | Complies                                                 |
| Purity (HPLC)                      | Not less than 98.0%                                      | 99.9%                                                    |
| Elemental Analysis                 |                                                          | Complies                                                 |
| Residual Solvents                  |                                                          | 2.0% ethyl acetate and 0.5% n-hexane                     |
| Solubility                         |                                                          | Methanol, DMSO                                           |
| Optical Rotation                   | $[\alpha]_D^{25.0}$ (c=1.00, CH <sub>3</sub> OH): -36.5o | $[\alpha]_D^{25.0}$ (c=0.84, CH <sub>3</sub> OH): -66.4° |
| Impurity                           | HPLC                                                     | N/A                                                      |
| Water Content (KF)                 |                                                          | 0.7%                                                     |

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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