



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-293714  
Lot Number: SAMPLE  
Product Name: Boc-D-Arg-OH H<sub>2</sub>O HCl  
CAS Number: 113712-06-4  
Molecular Formula: C<sub>11</sub>H<sub>22</sub>N<sub>4</sub>O<sub>4</sub>•HCl•H<sub>2</sub>O  
Molecular Weight: 328.79

| Test                               | Specification                      | Result                        |
|------------------------------------|------------------------------------|-------------------------------|
| Appearance                         | White powder or crystalline powder | White powder                  |
| Identification (FTIR)              | Consistent with structure          | Complies                      |
| Identification (1H-NMR)            | Consistent with structure          | Complies                      |
| Identification (Mass Spectrometry) | Consistent with structure          | Complies                      |
| Purity (HPLC)                      | ≥ 98%                              | 99.6%                         |
| Melting Point                      | 117 - 123°C                        | 119 - 122°C                   |
| Optical Rotation                   | +7° to +9° (c=1, H <sub>2</sub> O) | +8.9° (c=1, H <sub>2</sub> O) |

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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