



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-294905  
Lot Number: SAMPLE  
Product Name: Fmoc-L-Hse(Trt)-OH  
CAS Number: 111061-55-3  
Molecular Formula:  $C_{38}H_{33}NO_5$   
Molecular Weight: 583.7

| Test                                 | Result                                    |
|--------------------------------------|-------------------------------------------|
| Appearance                           | Off-white crystals                        |
| Assay                                | 91.6%                                     |
| Purity (HPLC)                        | 99.5% (265 nm)<br>99.4% (220 nm)          |
| Purity (TLC)                         | > 99%                                     |
| TLC                                  | Chloroform/Methanol/Acetic acid (90:8:2)  |
| Melting Point                        | 60-72°C                                   |
| Residual Solvents                    | Ethyl acetate: 0.7%<br>Diethylether: 9.5% |
| Solubility                           | Clearly soluble (0.5 mmole in 1 mL DMF)   |
| Infrared Spectrum                    | Conforms to structure                     |
| Optical Rotation ( $\alpha_{20/D}$ ) | -15.2° (C=1 in DMF)                       |
| Kaiser Test                          | Negative                                  |
| Water Content (KF)                   | 0.7%                                      |
| Amino Acid Analysis                  | < 0.2% free amino acids                   |

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 [www.scbt.com](http://www.scbt.com)