



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-475398
Lot Number: SAMPLE
Product Name: N α -Fmoc-N- δ -methyltrityl-D-Ornithine
CAS Number: 198545-20-9
Molecular Formula: C₄₀H₃₈N₂O₄
Molecular Weight: 610.8

| Test | Result |
|---|--|
| Appearance | White crystals |
| Identification (Infrared Spectrum) | Consistent with structure |
| Identification (TLC) | Complies |
| Purity | 100% |
| Purity (HPLC) | 99.5% at 265 nm 99.4% at 220 nm |
| Purity (TLC) | > 99% |
| Melting Point | 137 - 140 °C |
| Solubility | Clearly soluble (0.5 mmol in 1 ml DMF) |
| Optical Rotation (α _{20/D}) | -10.9° (c=1 in THF) |
| Kaiser Test | Negative to slightly positive |
| Water Content (KF) | 0.30% |

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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