



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-472621
Lot Number: SAMPLE
Product Name: Fmoc-O-methyl-L-homoserine
CAS Number: 173212-86-7
Molecular Formula: $C_{20}H_{21}NO_5$
Molecular Weight: 355.39

Test	Result
Appearance	Off-white powder
Identification (Infrared Spectrum)	Consistent with structure
Purity	100%
Purity (HPLC)	99.5% (265 nm) 99.4% (220 nm)
Purity (TLC)	> 99%
Melting Point	140 - 141 °C
Residual Solvents	Not detected
Solubility	Clearly soluble (0.5 mmol in 1 ml DMF)
Optical Rotation ($\alpha_{20/D}$)	- 30.5° (C = 4, in DMF)
Impurity	Free Amino Acids: < 0.1%
Kaiser Test	Negative
Water Content (KF)	0.1%

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