



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-235175  
Lot Number: SAMPLE  
Product Name: Fmoc-Cys(Acm)-OH  
CAS Number: 86060-81-3  
Molecular Formula:  $C_{21}H_{22}N_2O_5S$   
Molecular Weight: 414.47

Test	Specification	Result
Appearance		White powder
Enantiomeric Content		D-Enantiomer: 0.0815%
Enantiomeric Excess		99.92%
Identification (1H-NMR)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with standard	Complies
Purity (HPLC)		98.69%
Purity (TLC)		> 98%
Melting Point		149.4 - 149.7 °C
Solubility		Clear solution (0.3 g in 2 mL DMF)
Optical Rotation ( $\alpha_{20/D}$ )		-32.2° (C = 1, MeOH)
Loss on Drying		< 1% (60 °C, 2 hour)
Water Content (KF)		< 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](http://www.scbt.com)