



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-207717  
Lot Number: SAMPLE  
Product Name: Glutaryl-glycyl-L-arginine 7-amido-4-methylcoumarin hydrochloride  
CAS Number: 103213-40-7  
Molecular Formula:  $C_{23}H_{30}N_6O_7 \cdot HCl$   
Molecular Weight: 538.98

Test	Specification	Result
Appearance	White to off-white crystalline powder	White crystalline powder
Identification (FTIR)	Consistent with reference spectrum	Complies
Purity (HPLC)	$\geq 98.0\%$	99.0%
TLC	Consistent with reference material	Complies
Solution (Color)	Colorless at 2.5% in water	Complies
Solution (Turbidity)	$\leq 2.0$ NTU at 0.25% in water	1.3 NTU
Specific Rotation ( $\alpha_{20/D}$ )	-67.0 - -60.0° (c = 0.5 in water)	-66.1°
Impurity	Free AMC: $\leq 25$ mg/kg (TLC; 50 mg in 1.5 ml water; butanol/acetic acid/water 2: 1: 1; UV 366 nm)	< 25 mg/kg
Water Content (KF)	$\leq 1.0\%$	0.5%

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)