



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-239343
Lot Number: SAMPLE
Product Name: (+)-Biotin 4-nitrophenyl ester
CAS Number: 33755-53-2
Molecular Formula: $C_{16}H_{19}N_3O_5S$
Molecular Weight: 365.40

Test	Result
Appearance	White chunks
Purity (HPLC)	99.7%
TLC	Complies
Solubility	0.5M in DMF; Clear yellow solution, essentially free of particulate matter
Optical Rotation ($\alpha_{25/D}$)	+ 48.8° (c =2, DMF: AcOH = 99: 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