



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-286928
Lot Number: SAMPLE
Product Name: Z-L-Tyrosine t-butyl ester hydrate
CAS Number: 16881-33-7
Molecular Formula: $C_{21}H_{25}NO_5 \cdot H_2O$
Molecular Weight: 389.44

Test	Result
Appearance	White powder
Identification (1H-NMR)	Consistent with structure
Identification (Infrared Spectrum)	Consistent with structure
Identification (Mass Spectrometry)	Consistent with structure
Purity (HPLC)	99.38%
Melting Point	85.7 - 87.8 °C
Solubility	Clear solution (0.3 g in 2ml DMF)
Optical Rotation ($\alpha_{20/D}$)	-20.8° (c=1 in DMF)
Loss on Drying	0.76% (35 °C, 2h)
Water Content (KF)	0.866%

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