



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-250009
Lot Number: SAMPLE
Product Name: Fmoc-D-Val-OH
CAS Number: 84624-17-9
Molecular Formula: $C_{20}H_{21}NO_4$
Molecular Weight: 339.39

Test	Specification	Result
Appearance	White powder	Complies
Identification (1H-NMR)	Conforms to structure	Complies
Identification (Mass Spectrometry)	Conforms to structure	Complies
Purity	$\geq 99\%$ (ee)(Chiral)	Complies
Purity (HPLC)	$\geq 99\%$	Complies
Purity (TLC)	$\geq 98\%$	Complies
Melting Point	144 - 148 °C	Complies
Content	L-Enantiomer: $\leq 0.5\%$	Complies
Infrared Spectrum	Conforms to structure	Complies
Optical Rotation ($\alpha_{20/D}$)	$+17 \pm 2^\circ$ (c=1 in DMF)	Complies
Loss on Drying	$\leq 1\%$ (65°C, 2h)	Complies
Water Content (KF)	$\leq 1\%$	Complies

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