



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-295103A
Lot Number: SAMPLE
Product Name: H-L-Lys(Z)-OtBu*HCl
CAS Number: 5978-22-3
Molecular Formula: $C_{18}H_{28}N_2O_4 \cdot HCl$
Molecular Weight: 372.88

Test	Result
Appearance	White powder
Identification (1H-NMR)	Consistent with structure
Identification (Infrared Spectrum)	Consistent with structure
Purity (HPLC)	98.77%
Purity (TLC)	> 98% Ethyl acetate/n-Butanol/Acetic acid/Water (2: 1: 1: 1) Chloroform/Methanol/Acetic acid 32% (5: 3: 1)
Melting Point	147.7-149.1 °C
Solubility	Clear colorless to slightly colored solution (5% in Methanol); Clear solution (0.1 g in 2 mL Water)
Optical Rotation ($\alpha_{25/D}$)	+14.3° (C = 2 in EtOH)
Loss on Drying	0.1% (60 °C, 2h)
Water Content (KF)	0.44%

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.

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