

## Analytical Data Sheet

Lot number **1000012716**  
not for drug use

Retest date June 2019  
Catalog number **E-1705.0025**  
Product number **4000529.0025**  
Product **H- Lys(Z) - OBzl · HCl**  
Molecular formula  $C_{21}H_{26}N_2O_4 \cdot HCl$   
Relative molecular mass 406.91

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (ESI-MS)	m = 370.4u (average mass)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	> 0.1% H-Lys(Z)-OH*HCl > 0.1% Z-Lys-OBzl
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Other amino acids (GC)	< 0.2%
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (titration)	99.8% (TBAH)
Water content (KF volumetric)	0.4%
Chloride content (titration)	99.0% (of theoretical, AgNO <sub>3</sub> )

Latest update: March 06, 2019

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