

## Analytical Data Sheet

Lot number **1071043**  
not for drug use

Catalog number **L-1575.0001**  
Product number **4004443.0001**  
Product **H- Lys(Boc) - pNA**  
Molecular formula  $C_{17}H_{26}N_4O_5$   
Relative molecular mass 366.42

Tests	Results
Appearance	slightly yellow powder
Appearance of solution	clear, pale yellow solution (50 mg/mL in methanol)
Identification (ESI-MS)	m= 366.4u
Identification (TLC)	complies with reference
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% dicyclohexyl urea < 0.1% p-nitroaniline < 0.1% H-Lys(Boc)-OH
TLC conditions	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	0.1% D-enantiomer
Assay (elemental analysis)	99.9% (Nth 15.29%, Nfd 15.28%)
Water content (KF volumetric)	2.6%

Latest update: March 30, 2017

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