

Analytical Data Sheet

Lot number **1066344**
not for drug use

Catalog number **A-2705.0001**
Product number **4011884.0001**
Product **Boc- D- Lys- OH**
Molecular formula $C_{11}H_{22}N_2O_4$
Relative molecular mass 246.31

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (10 mg/ml in 10% AcOH)
Identification (TLC)	complies with authentic material
Melting point	201 °C
Specific optical rotation	$[\alpha]_D^{24} = + 8.4^\circ (1\% \text{ AcOH})$
Purity (TLC)	> 99%
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 ethylacetate/pyridine/acetic acid/H ₂ O 6/5/1/3 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (GC)	< 0.1% L-Enantiomer
Water content (KF volumetric)	0.7%

Latest update: June 21, 2016

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