

Analytical Data Sheet

Lot number **1073362**
not for drug use

Catalog number **A-1510.0100**
Product number **4001418.0100**
Product **Boc- Lys(2- chloro- Z) - OH**
Molecular formula $C_{19}H_{27}ClN_2O_6$
Relative molecular mass 414.89

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (TLC)	complies with authentic material
Kaiser test	yellow solution
Melting point	72 °C
Specific optical rotation	$[\alpha]_D^{24} = -7.3^\circ$ (1 % in acetic acid)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Lys(2-chloro-Z)-OH 0.1% Boc-Lys(2-chloro-Z)-Lys(2-chloro-Z)-OH
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/ethylacetate/acetic acid 50/50/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% Boc-D-Lys(2-chloro-Z)-OH
Assay (titration)	98.9% (TBAH)

Latest update: September 14, 2017

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