

Analytical Data Sheet

Lot number **1073517**
not for drug use

Catalog number **A-1490.0025**
Product number **4005026.0025**
Product **Boc- Orn(Z) - OH**
Molecular formula $C_{18}H_{26}N_2O_6$
Relative molecular mass 366.41

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)
Identification (TLC)	complies with authentic material
Melting point	95 °C
Purity (HPLC)	99.2% TEAP
Related impurities (HPLC)	< 0.1% Boc-Orn(Boc)-OH 0.3% Boc-Orn(Z)-Orn(Z)-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-Orn(Z)-OH
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (GC)	< 0.1% D-enantiomer
Assay (titration)	98.8% TBAH
Water content (KF volumetric)	0.5%

Latest update: September 20, 2017

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