

Analytical Data Sheet

Lot number **1000028765**
not for drug use

Catalog number **A-2500.0005**
Product number **4010099.0005**
Product **Boc- D- Trp(For) - OH**
Molecular formula $C_{17}H_{20}N_2O_5$
Relative molecular mass 332.36

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in ethyl acetate)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.4% (TFA)
Related impurities (HPLC)	0.1% Boc-D-Trp-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-D-Trp(For)-OH
TLC conditions	chloroform/ethylacetate/acetic acid 50/50/2 chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/toluene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (GC)	0.2% L-enantiomer
Assay (titration)	98.3% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.01%

Latest update: February 20, 2020

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