

Analytical Data Sheet

Lot number **1000039962**
not for drug use

Product Boc-Leu-OSu
Product number **4001880.0005**
Molecular formula $C_{15}H_{24}N_2O_6$
Relative molecular mass 328.37

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane)
Specific optical rotation	$[\alpha]_D^{24} = -44.7^\circ$ (2% in dioxane)
Purity (HPLC)	98.1% (TFA)
Related impurities (HPLC)	< 0.03% Boc-Leu-OH
Purity (TLC)	> 97%
Related impurities (TLC)	< 0.5% dicyclohexyl urea
TLC conditions	methanol 70% plate: RP-8 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (elemental analysis)	99.9% (Nth 8.53%, Nfd 8.52%)
Water content (KF volumetric)	0.1%

Latest update: October 09, 2020

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