

## Analytical Data Sheet

Lot number **1075800**  
not for drug use

Catalog number **B-3150.0005**  
Product number **4015473.0005**  
Product **Fmoc- Leu- Gly- OH**  
Molecular formula  $C_{23}H_{26}N_2O_5$   
Relative molecular mass 410.47

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (10 mg/mL in methanol) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (ESI-MS)	m = 410.5u (average mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.6% (TFA)
Related impurities (HPLC)	not det.Fmoc-β-Ala-OH < 0.1%Fmoc-Leu-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Leu-Gly-OH
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/ethylacetate/acetic acid 50/50/2 chloroform/methanol/acetic acid/H <sub>2</sub> O 85/13/0.5/1.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	0.1% D-enantiomer
Assay (titration)	98.7% (TBAH)
Water content (KF volumetric)	0.3%
Acetic acid content (IC)	0.008%

Latest update: February 27, 2018

**Analytical Data Sheet**  
Lot number **1075800**