

Analytical Data Sheet

Lot number **1000031848**
not for drug use

Catalog number **B-3150.0001**
Product number **4015473.0001**
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)	Rf value in agreement with authentic material
Purity (HPLC)	99.68% (TFA)
Related impurities (HPLC)	not det.Fmoc-β-Ala-OH 0.05%Fmoc-Leu-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.05% H-Leu-Gly-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 60/45/14/6 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.10% D-enantiomer
Assay (titration)	97.0% (TBAH)
Water content (KF volumetric)	0.1%
Acetic acid content (IC)	0.003%

Latest update: April 23, 2020

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