

## Analytical Data Sheet

Lot number **1000019503**  
not for drug use

Catalog number **B-1595.0025**  
Product number **4011877.0025**  
Product **Fmoc- Glu- OtBu**  
Molecular formula  $C_{24}H_{27}NO_6$   
Relative molecular mass 425.48

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (0.5 mmol/mL in DMF)
Identification (ESI-MS)	m = 425.2u (monoisotopic mass)
Identification (TLC)	Rf value in agreement with authentic material
Purity (HPLC)	99.95% (TFA)
Related impurities (HPLC)	< 0.02% (LOQ) Fmoc-β-Ala-OH < 0.02% (LOQ) Fmoc-β-Ala-Glu-OtBu 0.02% Fmoc-Glu(Glu-OtBu)-OtBu 0.03% Fmoc-Glu-OH < 0.02% (LOQ) each single unspecified
Related impurities (TLC)	< 0.05% H-Glu-OtBu
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.02% (LOQ) D-enantiomer
Assay (titration)	99.5% (TBAH)
Water content (KF volumetric)	0.1%
Acetic acid content (IC)	75mg/kg

Latest update: July 29, 2019

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