

## Analytical Data Sheet

Lot number **1063269**  
not for drug use

Catalog number **B-3255.0005**  
Product number **4028191.0005**  
Product **Fmoc- Glu(allyl ester) - OH**  
Molecular formula  $C_{23}H_{23}NO_6$   
Relative molecular mass 409.44

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxan) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.5% (TFA)
Related impurities (HPLC)	not det. Fmoc- $\beta$ -Ala < 0.1% Fmoc- $\beta$ -Ala-Glu(allyl ester)-OH 0.1% Fmoc-Glu-OH 0.1% Fmoc-Glu(allyl ester)-Glu(allyl ester)-OH
Related impurities (TLC)	< 0.05% H-Glu(allyl ester)-OH
TLC conditions	chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (titration)	99.7% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.005%

Latest update: January 11, 2016

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