

Analytical Data Sheet

Lot number	1000036661 not for drug use
Product	Fmoc-Glu(ODmab)-OH
Product number	4027143.0005
Molecular formula	C ₄₀ H ₄₄ N ₂ O ₈
Relative molecular mass	680.81

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane) clear, yellow solution (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.75% (TFA)
Related impurities (HPLC)	0.03% Fmoc-Glu-OH
Purity (TLC)	> 99%
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/toluene/H ₂ O 8/8/8/1 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 (titration)	98.1% (TBAH)
Water content (KF volumetric)	0.4%
Acetic acid content (IC)	0.006%

Latest update: August 07, 2020

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