

Analytical Data Sheet

Lot number **1062294**
not for drug use

Catalog number **B-4425.0005**
Product number **4007899.0005**
Product **Fmoc- Ser(tBu) - Gly- OH**
Molecular formula $C_{24}H_{28}N_2O_6$
Relative molecular mass 440.50

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.4% (TFA)
Related impurities (HPLC)	not det. Fmoc- β -Ala-OH < 0.1% Fmoc-Ser(tBu)-OH
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (titration)	98.6% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	< 0.002% (limit test)

Latest update: October 27, 2015

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