

Analytical Data Sheet

Lot number **1062304**
not for drug use

Catalog number **B-4430.0005**
Product number **4073437.0005**
Product **Fmoc- Ser(tBu) - Pro- OH**
Molecular formula $C_{27}H_{32}N_2O_6$
Relative molecular mass 480.56

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Purity (HPLC)	100.0% (TFA)
Related impurities (HPLC)	not det.Fmoc- β -Ala-OH not det.Fmoc-Ser(tBu)-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% Pivaloyl-Pro-OH < 0.2% H-Ser(tBu)-Pro-OH
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	0.1% D-Pro isomer 0.1% D-Ser isomer
Assay (titration)	94.6% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.008%

Latest update: October 20, 2015

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