

Analytical Data Sheet

Lot number **1070009**
not for drug use

Catalog number **B-3920.0005**
Product number **4044683.0005**
Product **Fmoc- Phe- Ser(Psi(Me, Me) pro) - OH**
Molecular formula $C_{30}H_{30}N_2O_6$
Relative molecular mass 514.58

Tests	Results
Appearance	white product
Appearance of solution	clear, colorless solution (50 mg/mL in acetonitrile) clear solution (0.5 mmol/ml in DMF)
Purity (HPLC)	99.1% (TFA)
Related impurities (HPLC)	0.1% Fmoc-Phe-OH 0.1% Fmoc-Phe-Ser-OH
Purity (TLC)	> 99%
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (GC)	0.12% D-Ser isomer < 0.10% D-Phe isomers
Assay (titration)	93.6% (TBAH)
Water content (KF volumetric)	0.3%
Acetic acid content (IC)	45mg/kg

Latest update: February 10, 2017

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