

Analytical Data Sheet

Lot number **1000017056**
not for drug use

Retest date n/a
 Catalog number **B-4270.0005**
 Product number **4068251.0005**
 Product **Fmoc- Ala- Ser(Psi(Me, Me) pro) - OH**
 Molecular formula $C_{24}H_{26}N_2O_6$
 Relative molecular mass 438.48

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in acetonitrile) clear solution (0.5 mmol/mL in DMF)
Identification (TLC)	Rf value in agreement with authentic material
Purity (HPLC)	99.73% (TFA)
Related impurities (HPLC)	0.00% Fmoc-Ala-OH 0.12% Fmoc-Ala-Ser-OH
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/ethylacetate/acetic acid 50/50/2 chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.10% D-Ala isomer < 0.10% D-Ser isomer
Other amino acids (GC)	< 0.30%
Assay (titration)	99.1% (TBAH)
Water content (KF volumetric)	0.1%
Acetic acid content (IC)	det. < 20 mg/kg (LOQ)

Latest update: June 18, 2019

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