

Analytical Data Sheet

Lot number **1070072**
not for drug use

Catalog number **B-4330.0005**
Product number **4068255.0005**
Product **Fmoc- Val- Ser(Psi(Me, Me) pro) - OH**
Molecular formula $C_{26}H_{30}N_2O_6$
Relative molecular mass 466.53

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in acetonitrile) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (TLC)	Rf value in agreement with authentic material
Purity (HPLC)	99.8% (TFA)
Related impurities (HPLC)	not det. Fmoc-Val-OH < 0.1% Fmoc-Val-Ser-OH
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% D-Ser isomer < 0.1% D-Val isomer
Assay (titration)	87.5% (TBAH)
Water content (KF volumetric)	0.3%
Acetic acid content (IC)	0.006%

Latest update: February 10, 2017

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