

Analytical Data Sheet

Lot number **1074395**
not for drug use

Catalog number **B-3455.0001**
Product number **4029345.0001**
Product **Fmoc- Ser(PO(OBzl) OH) - OH**
Molecular formula $C_{25}H_{24}NO_8P$
Relative molecular mass 497.44

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane) clear, light yellow solution (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Purity (HPLC)	97.96% (TFA)
Related impurities (HPLC)	0.06% Fmoc-Ser(PO ₃ H ₂)-OH not det. Fmoc-β-Ala-OH
Purity (TLC)	≥ 98%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 6/4/1/3 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.10% D-enantiomer
Assay (titration)	98.5% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.0025%

Latest update: November 16, 2017

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