

Analytical Data Sheet

Lot number **1072506**
not for drug use

Catalog number **B-1010.0001**
Product number **4009560.0001**
Product **Fmoc- Ser(Ac) - OH**
Molecular formula $C_{20}H_{19}NO_6$
Relative molecular mass 369.37

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane)
Identification (TLC)	complies with authentic material
Melting point	165 °C
Specific optical rotation	$[\alpha]_D^{24} = -23.0^\circ$ (1% in dimethylformamide)
Purity (HPLC)	99.3% (TFA)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	98.6% (TBAH)
Water content (KF volumetric)	0.1%

Latest update: July 08, 2017

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