

Analytical Data Sheet

Lot number **1071666**
not for drug use

Catalog number **B-3940.0001**
Product number **4061385.0001**
Product **Boc- Ser(Ala- Fmoc) - OH**
Molecular formula $C_{26}H_{30}N_2O_8$
Relative molecular mass 498.53

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (ESI-MS)	m = 498.4u (average mass)
Purity (HPLC)	99.5% (TFA)
Related impurities (HPLC)	0.1% Fmoc-Ala-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% Boc-Ser-OH
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (chiral chromatography)	0.4% D-Alanin < 0.1% D-Serin
Assay (titration)	93.5% (TBAH)
Water content (KF volumetric)	0.5%
Acetic acid content (IC)	0.014%

Latest update: May 11, 2017

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