

Analytical Data Sheet

Lot number **1061109**
not for drug use

Catalog number **B-1465.0005**
Product number **4003501.0005**
Product **Fmoc- Val- OSu**
Molecular formula $C_{24}H_{24}N_2O_6$
Relative molecular mass 436.46

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (0.5 mmol/mL in dimethylformamide) clear, colorless solution (50 mg/mL in tetrahydrofuran)
Identification (TLC)	complies with authentic material
Melting point	139 °C
Specific optical rotation	$[\alpha]_D^{24} = -31.6^\circ$ (1% in dimethylformamide)
Purity (HPLC)	99.0% (TFA)
TLC conditions	methanol 70% plate: RP-8 chloroform/ethylacetate/acetic acid 50/50/2 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine, ammoniummolybdate
Enantiomer content (GC)	< 0.1% D-Enantiomer
Assay (elemental analysis)	100.0% (Cth 66.05%, Cfd 66.08%)

Latest update: August 13, 2015

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