

Analytical Data Sheet

Lot number

1037703

not for drug use

Catalog Number	B-1465.0025
Product number	4003501.0025
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 (50 mg/mL in tetrahydrofuran) clear, colorless solution (218 mg/mL in dimethylformamide)
Identification (TLC)	complies with authentic material
Melting point	139 °C
Specific optical rotation	$[\alpha]_D^{24} = -31.6^\circ$ (1% in dimethylformamide)
Purity (HPLC)	98.8% (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)	99.6% (Cth 66.05%, Cfd 65.81%)
Latest update: July 11, 2011	Analytical Data Sheet Lot number 1037703