

Analytical Data Sheet

Lot number **1063988**
not for drug use

Catalog number **B-2140.0001**
Product number **4016694.0001**
Product **Fmoc- Val- Pro- OH**
Molecular formula $C_{25}H_{28}N_2O_5$
Relative molecular mass 436.51

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in ethylacetate)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.3% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc-Val-OH < 0.1% Fmoc-β-Ala-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< < 0.2% H-Val-Pro-OH
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (GC)	< 0.1% D-Val enantiomer 0.2% D-Pro enantiomer
Assay (titration)	94.5% (TBAH)
Water content (KF volumetric)	0.3%

Latest update: February 17, 2016

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