

Analytical Data Sheet

Lot number **1061345**
not for drug use

Catalog number **N-1535.0100**
Product number **4027129.0100**
Product **Calpain Inhibitor III**
Z- Val- Phe- aldehyde
Molecular formula $C_{22}H_{26}N_2O_4$
Relative molecular mass 382.46

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, colorless solution (50 mg/mL in acetonitrille)
Identification (TLC)	complies with authentic material
Purity (TLC)	≥ 95%
TLC conditions	chloroform/ethylacetate/acetic acid 50/50/2 toluene/dioxane/acetic acid 95/25/4 CHCl ₃ /methanol 95/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, IRH
Assay (elemental analysis)	97.1% (Nth 7.32% Nfd 7.11%)
Water content (KF volumetric)	0.4%

Latest update: September 03, 2015

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