

## Analytical Data Sheet

Lot number **1075724**  
not for drug use

Catalog number **M-1760.0100**  
Product number **4011445.0100**  
Product **FA- Phe- Phe- OH**  
Molecular formula  $C_{25}H_{24}N_2O_5$   
Relative molecular mass 432.48

Tests	Results
Appearance	white powder
Appearance of solution	clear, slightly beige solution (50 mg/ml in methanol)
Identification (TLC)	complies with authentic material
Purity (HPLC)	98.8% (TFA)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% FA
TLC conditions	chloroform/methanol/acetic acid 90/8/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 toluene/dioxane/acetic acid 95/25/4 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/10/3/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine, ammoniummolybdate
Assay (elemental analysis)	96.7% (Cth 69.43 %, Cfd 67.12 %)
Assay (titration)	98.0% (TBAH)
Water content (KF volumetric)	3.1%

Latest update: February 21, 2018

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