

Analytical Data Sheet

Lot number **1000005513**
not for drug use

Catalog number **L-1095.0050**
Product number **4002753.0050**
Product **H- Ala- Ala- Phe- pNA**
Molecular formula $C_{21}H_{25}N_5O_5$
Relative molecular mass 427.46

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 80% acetic acid)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1%pNA (4-Nitroanilin)
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.7% (Nth 16.38%, Nfd 16.33%)
Water content (KF volumetric)	0.5%

Latest update: September 03, 2018

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