

Analytical Data Sheet

Lot number **1000012633**
not for drug use

Catalog number **L-1635.0050**
Product number **4015607.0050**
Product **Suc- Ala- Glu- Pro- Phe- pNA**
Molecular formula $C_{32}H_{38}N_6O_{11}$
Relative molecular mass 682.69

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.2% (TFA) 98.9% (NaClO ₄)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% pNA
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	94.6% (TBAH)
Water content (KF volumetric)	1.4%
Residual organic solvents (GC)	1.9% ether 1.2% dimethylformamide 1.4% ethylacetate

Latest update: February 21, 2019

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