

Analytical Data Sheet

Lot number **1000022747**
not for drug use

Catalog number **L-1710.0250**
Product number **4017343.0250**
Product **Suc- Ala- Ala- Pro- Glu- pNA**
Molecular formula $C_{26}H_{34}N_6O_{11}$
Relative molecular mass 606.59

Tests	Results
Appearance	white powder with a hint of yellow
Appearance of solution	clear, slightly yellowish solution (50 mg/ml in water)
Identification (TLC)	complies with authentic material
Purity (HPLC)	98.8% (TFA) 99.0% (TEAP) 98.8% (NaClO ₄)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% p-Nitroanilide
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	93.6% (Nth 13.85 %, Nfd 12.96 %)
Water content (KF volumetric)	2.0%
Residual organic solvents (GC)	< 1% ethyl acetate

Latest update: October 02, 2019

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