

Analytical Data Sheet

Lot number **1000026804**
not for drug use

Catalog number **L-1390.0050**
Product number **4003646.0050**
Product **Suc- Ala- Ala- Pro- Leu- pNA**
Molecular formula $C_{27}H_{38}N_6O_9$
Relative molecular mass 590.63

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Melting point	147 °C
Purity (HPLC)	99.2% (TFA)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% pNA
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/toluene/H ₂ O 8/8/8/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	98.9% (Nth 14.23%, Nfd 14.07%)
Water content (KF volumetric)	1.1%

Latest update: January 10, 2020

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