

Analytical Data Sheet

Lot number **1067440**
not for drug use

Catalog number **L-1400.0050**
Product number **4002299.0050**
Product **Suc- Ala- Ala- Pro- Phe- pNA**
Molecular formula $C_{30}H_{36}N_6O_9$
Relative molecular mass 624.65

Tests	Results
Appearance	slightly yellow powder
Appearance of solution	clear, slightly yellow solution (50 mg/mL in methanol)
Identification (elemental analysis)	Theory Found C = 56.9% C = 56.9% H = 5.9% H = 5.9% N = 13.3% N = 13.3% calc. x 0.5 H ₂ O (1.4%)
Identification (TLC)	complies with authentic material
Melting point	193 °C
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 85/10/5 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	98.6% (Nth 13.45%, Nfd 13.26%)
Water content (KF volumetric)	1.4%

Latest update: September 01, 2016

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