

Analytical Data Sheet

Lot number **1000007650**
not for drug use

Catalog number **L-1415.0050**
Product number **4002298.0050**
Product **Suc- Gly- Gly- Phe- pNA**
Molecular formula $C_{23}H_{25}N_5O_8$
Relative molecular mass 499.48

Tests	Results
Appearance	white powder
Appearance of solution	clear, slightly yellow solution (50 mg/mL in DMF)
Identification (elemental analysis)	Theory Found C = 55.3% C = 55.2% H = 5.1% H = 5.0% N = 14.0% N = 14.0%
Identification (TLC)	Rf value in agreement with authentic material
Melting point	210 °C
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% p-Nitroanilide
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.7% (Nth 14.02%, Nfd 13.98%)

Latest update: November 13, 2018

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