

Analytical Data Sheet

Lot number **1000035379**
not for drug use

Product Ac-Lys-pNA hydrochloride salt

Product number **4004444.0050**

Molecular formula $C_{14}H_{20}N_4O_4$

Relative molecular mass 308.34

Tests	Results
Appearance	slightly yellow powder
Appearance of solution	clear, slightly yellow solution (50 mg/mL in water)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/ H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	82.2% (N _{th} 18.17%, N _{fd} 14.94%)
Water content (KF volumetric)	0.2%
Chloride content (titration)	14.5%
General Comment	hygroscopic product

Latest update: July 16, 2020

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