

Analytical Data Sheet

Lot number	1000036090 not for drug use
Product	H-Gly-Pro-pNA · HCl
Product number	4025614.1000
Molecular formula	C ₁₃ H ₁₆ N ₄ O ₄ · HCl
Relative molecular mass	328.76

Tests	Results
Appearance	pale, yellowish powder
Appearance of solution	clear, slightly yellowish solution (50 mg/mL in H ₂ O)
Identification (elemental analysis)	Theory Found C = 47.68% C = 47.47% H = 5.61% H = 5.57% N = 10.02% N = 10.16% calc. as 1 HCl (10.4%) x 0.2 H ₂ O (1.0%) x 1.5 Ether (3.2%) x 0.07 EtOAc (1.8%)
Identification (TLC)	conforms 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, chlorine-tolidine
Assay (elemental analysis)	94.8% (Nth 17.04%, Nfd 16.16%)
Water content (KF volumetric)	0.6%
Residual organic solvents (GC)	3.3% Ether 1.7% EtOAc
Chloride content (titration)	10.4% (AgNO ₃)

Latest update: August 07, 2020

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