

Analytical Data Sheet

Lot number

1002925

not for drug use

Catalog Number	G-3630.0005
Product number	4000112.0005
Product	H- Gly- Lys- OH · HCl
Molecular formula	C ₈ H ₁₇ N ₃ O ₃ · HCl
Relative molecular mass	239.70

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)
Identification (TLC)	conforms with the reference
Specific optical rotation	$[\alpha]_D^{24} = -9.8^\circ$ (2 % in 0.5 N HCl)
Purity (TLC)	> 99%
TLC conditions	methanol/chloroform/ammonia 17% 2/2/1 isopropanol/ammonia conc. 1/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	96.2% (Nth 17.53 %, Nfd 16.87 %)
Water content (KF volumetric)	2.1 %
Latest update: October 25, 2008	

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