

## Analytical Data Sheet

Lot number **1072215**  
not for drug use

Catalog number **G-1970.1000**  
Product number **4001034.1000**  
Product **H- Glu(H- Lys- OH) - OH**  
Molecular formula  $C_{11}H_{21}N_3O_5$   
Relative molecular mass 275.31

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (5 % in HCOOH)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +35.6^\circ$ (1 % in 1 N HCl)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: ninhydrin, chlorine-tolidine
Water content (KF volumetric)	0.9%

Latest update: July 06, 2017

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