

## Analytical Data Sheet

Lot number **1068265**  
not for drug use

Catalog number **H-3165.0250**  
Product number **4003810.0250**  
Product **H- Glu(Glu(Glu- OH) - OH) - OH trifluoroacetate salt**  
Molecular formula  $C_{15}H_{23}N_3O_{10}$   
Relative molecular mass 405.36

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (ESI-MS)	m = 405.4u (average mass)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 98%
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: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	69.9% (Nth 10.37%, Nfd 7.25%)
Water content (KF volumetric)	5.5%
General comment	hygroscopic product

Latest update: October 13, 2016

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