

Analytical Data Sheet

Lot number **1073298**
not for drug use

Catalog number **G-2875.0001**
Product number **4011365.0001**
Product **H- Phe- Glu- OH**
Molecular formula $C_{14}H_{18}N_2O_5$
Relative molecular mass 294.31

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in acetic acid 80%)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +24.067^\circ$ (2% in water)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Glu-OH < 0.2% H-Phe-OH
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (titration)	99.2% (HClO ₄)
Water content (KF volumetric)	0.3%

Latest update: October 30, 2017

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