

Analytical Data Sheet

Lot number

1016744

not for drug use

Catalog Number	G-2005.1000
Product number	4002026.1000
Product	H- Glu(Tyr- OH) - OH
Molecular formula	C ₁₄ H ₁₈ N ₂ O ₆
Relative molecular mass	310.31

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)
Identification (TLC)	conforms with authentic material
Specific optical rotation	$[\alpha]_D^{24} = + 25.2^\circ$ (1 % in H ₂ O)
Purity (TLC)	> 99%
TLC conditions	isopropanol/ammonia conc. 1/1 n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	98.8% (HClO ₄)
Water content (KF volumetric)	0.2%
Latest update: October 24, 2008	
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