

Analytical Data Sheet

Lot number **1066632**
not for drug use

Catalog number **C-3675.0001**
Product number **4012096.0001**
Product **Z- D- Glu(OBzl) - OH**
Molecular formula $C_{20}H_{21}NO_6$
Relative molecular mass 371.39

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Melting point	79 °C
Specific optical rotation	$[\alpha]_D^{24} = + 22.7^\circ$ (6 % in 1N $KHCO_3$)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-D-Glu(OBzl)-OH < 0.1% Z-D-Glu(OBzl)
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.10% L-Enantiomer
Other amino acids (GC)	< 0.3%
Assay (titration)	99.7% (TBAH)
Water content (KF volumetric)	0.1%

Latest update: June 30, 2016

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