

# Analytical Data Sheet

Lot number

**1018419**

not for drug use

<b>Catalog Number</b>	<b>A-2520.0001</b>
<b>Product number</b>	<b>4016414.0001</b>
<b>Product</b>	<b>Boc- D- Glu(OtBu) - ONp</b>
<b>Molecular formula</b>	$C_{20}H_{28}N_2O_8$
<b>Relative molecular mass</b>	424.45

Tests	Results
<b>Appearance</b>	slightly yellowish powder
<b>Appearance of solution</b>	clear, yellow solution ( 50mg/ml in acetone)
<b>Identification (TLC)</b>	complies with authentic material
<b>Melting point</b>	50 °C
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = + 33.1^\circ ( 1 \% \text{ DMF})$
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol 9/1 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Assay (elemental analysis)</b>	98.8% (Cth 56.60 %, Cfd 55.92 %)
<b>Water content (KF volumetric)</b>	0.1%
Latest update: October 24, 2008	

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