

Analytical Data Sheet

Lot number

1048703

not for drug use

Catalog Number	F-1565.0005
Product number	4004837.0005
Product	H- D- Glu(OtBu) - OH
Molecular formula	C ₉ H ₁₇ NO ₄
Relative molecular mass	203.24

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in H ₂ O)
Identification (TLC)	complies with authentic material
Melting point	193 °C
Specific optical rotation	$[\alpha]_D^{24} = -10.6^\circ$ (1 % H ₂ O)
Purity (TLC)	> 98%
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	99.3% (HClO ₄)
Water content (KF volumetric)	0.9%
Latest update: June 19, 2013	

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