

Analytical Data Sheet

Lot number **1000039143**
not for drug use

Product H-Glu(OMe)-OtBu · HCl

Product number **4000148.0005**

Molecular formula C₁₀H₁₉NO₄ · HCl

Relative molecular mass 253.73

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	R _f value in agreement with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Glu(Ome)-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/ H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.8% (Cth 47.34%, Cfd 47.25%)
Water content (KF volumetric)	< 0.2%
Chloride content (titration)	14.1%

Latest update: September 25, 2020

Analytical Data Sheet
Lot number **1000039143**