

Analytical Data Sheet

Lot number **1000007949**
not for drug use

Catalog number **A-1675.0005**
Product number **4002938.0005**
Product **Boc- Glu(OtBu) - OH**
Molecular formula $C_{14}H_{25}NO_6$
Relative molecular mass 303.36

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)
Identification (TLC)	conforms with authentic material
Melting point	104.3 °C
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% Boc-Glu-OH < 0.1% H-Glu(OtBu)-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% D-Enantiomer
Assay (titration)	99.1% (TBAH)
Water content (KF volumetric)	0.2%

Latest update: November 06, 2018

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