

Analytical Data Sheet

Lot number **1064387**
not for drug use

Catalog number **A-1760.0005**
Product number **4003703.0005**
Product **Boc- Gly- Pro- OH**
Molecular formula $C_{12}H_{20}N_2O_5$
Relative molecular mass 272.30

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (TLC)	complies with authentic material
Melting point	143 °C
Specific optical rotation	$[\alpha]_D^{24} = -63.2^\circ$ (1 % in DMF)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% Boc-Glu-OH
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.2% (Nth 10.29 %, Nfd 10.21 %)

Latest update: February 24, 2016

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