

Analytical Data Sheet

Lot number **1065661**
not for drug use

Catalog number **A-1100.0250**
Product number **4003849.0250**
Product **Boc- Ala- Ala- Pro- OH**
Molecular formula $C_{16}H_{27}N_3O_6$
Relative molecular mass 357.41

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (elemental analysis)	Theory Found C = 53.8 % C = 53.5 % H = 7.6 % H = 7.7 % N = 11.8 % N = 11.7 %
Identification (TLC)	complies with authentic material
Melting point	138 °C
Specific optical rotation	$[\alpha]_D^{24} = -119.6^\circ$ (1 % in methanol)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 85/10/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	100.2% (TBAH)

Latest update: May 03, 2016

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