

Analytical Data Sheet

Lot number **1075112**
not for drug use

Catalog number **F-3465.0001**
Product number **4002402.0001**
Product **H- β - Chloro- Ala- OMe · HCl**
Molecular formula **C₄H₈ClNO₂ · HCl**
Relative molecular mass **174.03**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (TLC)	complies with authentic material
Melting point	152 °C
Specific optical rotation	$[\alpha]_D^{24} + 4.04^\circ$
Purity (TLC)	> 98%
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 chloroform/methanol 9/1 chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 plate: silicael 60 F ₂₅₄ detected by: UV, ninhydrine, chlorine-tolidine
Assay (elemental analysis)	78.3% (Nth 10.18 %, Nfd 7.97 %)
Chloride content (titration)	20.2% (AgNO ₃)

Latest update: January 16, 2018

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