

Analytical Data Sheet

Lot number

1030984

not for drug use

Catalog Number	F-3465.0005
Product number	4002402.0005
Product	H- β - Chloro- Ala- OMe · HCl
Molecular formula	C ₄ H ₈ ClNO ₂ · 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: May 27, 2010	

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