Analytical Data Sheet

Lot number

1026425

not for drug use

Catalog Number	**F-1425.0005**
Product number	**4002405.0005**
Product	**H- β- Chloro- Ala- OH**
Molecular formula	$C_3H_6ClNO_2$
Relative molecular mass	123.54

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (elemental analysis)	Theory Found C = 29.2% C = 29.2% H = 4.9% H = 5.0% N = 11.3% N = 11.2%
Identification (TLC)	complies with authentic material
Melting point	160 °C
Specific optical rotation	$[\alpha]_D^{24}$ = - 16.6° (2% in water)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H_2O 4/2/2 ethylacetate/pyridine/acetic acid/H_2O 60/60/12/36 chloroform/methanol/acetic acid/H_2O 60/45/14/6 plate: silicagel 60 F_{254} detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	98.9% (Nth 11.34%, Nfd 11.22%)