

Analytical Data Sheet

Lot number

1036181

not for drug use

Catalog Number	F-1430.0005
Product number	4000633.0005
Product	H- β - Chloro- Ala- OH \cdot HCl
Molecular formula	C ₃ H ₆ ClNO ₂ \cdot HCl
Relative molecular mass	160.00

Tests	Results								
Appearance	white crystals								
Appearance of solution	clear, colorless solution (50 mg/ml in H ₂ O)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 22.52 %</td> <td>C = 22.31 %</td> </tr> <tr> <td>H = 4.41 %</td> <td>H = 4.44 %</td> </tr> <tr> <td>N = 8.75 %</td> <td>N = 8.73 %</td> </tr> </table>	Theory	Found	C = 22.52 %	C = 22.31 %	H = 4.41 %	H = 4.44 %	N = 8.75 %	N = 8.73 %
Theory	Found								
C = 22.52 %	C = 22.31 %								
H = 4.41 %	H = 4.44 %								
N = 8.75 %	N = 8.73 %								
Identification (TLC)	complies with authentic material								
Melting point	196 °C								
Specific optical rotation	$[\alpha]_D^{24} = -2.1^\circ$ (2 % in water) $[\alpha]_{365}^{24} = +1.0^\circ$ (2 % in water)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 6/5/1/3 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Latest update: April 18, 2011									