

Analytical Data Sheet

Lot number

1018723

not for drug use

Catalog Number	F-1165.5000
Product number	4015231.5000
Product	H- D- allo- Ile- OH
Molecular formula	C ₆ H ₁₃ NO ₂
Relative molecular mass	131.18

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (5 mg/ml in AcOH 80 %)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 54.94 %</td> <td>C = 54.60 %</td> </tr> <tr> <td>H = 9.99 %</td> <td>H = 9.91 %</td> </tr> <tr> <td>N = 10.68 %</td> <td>N = 10.65 %</td> </tr> </table>	Theory	Found	C = 54.94 %	C = 54.60 %	H = 9.99 %	H = 9.91 %	N = 10.68 %	N = 10.65 %
Theory	Found								
C = 54.94 %	C = 54.60 %								
H = 9.99 %	H = 9.91 %								
N = 10.68 %	N = 10.65 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -37.1^\circ$ (1 % in 6N HCl)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected: ninhydrin, chlorine-tolidine								
Enantiomer content (GC)	< 0.1% H-D-Ile-OH 0.3% L-Ile-OH 99.7% H-D-allo-Ile-OH < 0.1% H-L-allo-Ile-OH								
Latest update: October 24, 2008									