

Analytical Data Sheet

Lot number

1011089

not for drug use

Catalog Number	F-1915.0100
Product number	4007429.0100
Product	H- Nle- OH
Molecular formula	C ₆ H ₁₃ NO ₂
Relative molecular mass	131.17

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in 1 M hydrochloric acid)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 54.9 %</td> <td>C = 54.7 %</td> </tr> <tr> <td>H = 10.0 %</td> <td>H = 10.1 %</td> </tr> <tr> <td>N = 10.7 %</td> <td>N = 10.7 %</td> </tr> </table>	Theory	Found	C = 54.9 %	C = 54.7 %	H = 10.0 %	H = 10.1 %	N = 10.7 %	N = 10.7 %
Theory	Found								
C = 54.9 %	C = 54.7 %								
H = 10.0 %	H = 10.1 %								
N = 10.7 %	N = 10.7 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +21.2^\circ$ (5 % in 1 M hydrochloric acid)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected: UV, ninhydrin, TMB								
Enantiomer content (GC)	0.1 % D-Norleucine								
Other amino acids (GC)	none detected (< 0.3 %)								
Latest update: October 24, 2008									