

## Analytical Data Sheet

Lot number **1000019922**  
not for drug use

Catalog number **C-3505.0001**  
Product number **4016043.0001**  
Product **Z- Lys- Leu- OH**  
Molecular formula  $C_{20}H_{31}N_3O_5$   
Relative molecular mass 393.48

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 61.05 %</td><td>C = 60.59 %</td></tr><tr><td>H = 7.94 %</td><td>H = 8.04 %</td></tr><tr><td>N = 10.68 %</td><td>N = 10.64 %</td></tr></tbody></table>	Theory	Found	C = 61.05 %	C = 60.59 %	H = 7.94 %	H = 8.04 %	N = 10.68 %	N = 10.64 %
Theory	Found								
C = 61.05 %	C = 60.59 %								
H = 7.94 %	H = 8.04 %								
N = 10.68 %	N = 10.64 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -29.2^\circ$ (1 % in MeOH)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H <sub>2</sub> O 70/42/0.5/10 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								

Latest update: August 07, 2019

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