

Analytical Data Sheet

Lot number **1064410**
not for drug use

Catalog number **E-1715.0005**
Product number **4000528.0005**
Product **H- Lys(Z) - OMe · HCl**
Molecular formula **C₁₅H₂₂N₂O₄ · HCl**
Relative molecular mass **330.81**

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 = 53.73 %</td> <td>C = 53.44 %</td> </tr> <tr> <td>H = 7.06 %</td> <td>H = 7.14 %</td> </tr> <tr> <td>N = 8.35 %</td> <td>N = 8.19 %</td> </tr> </tbody> </table>	Theory	Found	C = 53.73 %	C = 53.44 %	H = 7.06 %	H = 7.14 %	N = 8.35 %	N = 8.19 %
Theory	Found								
C = 53.73 %	C = 53.44 %								
H = 7.06 %	H = 7.14 %								
N = 8.35 %	N = 8.19 %								
Identification (TLC)	conforms with authentic material								
Melting point	112 °C								
Specific optical rotation	$[\alpha]_D^{24} = +15.3^\circ$ (2 % in MeOH)								
Purity (TLC)	> 98%								
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.7%								
Chloride content (titration)	10.4%								

Latest update: February 24, 2016

Analytical Data Sheet
Lot number **1064410**