

## Analytical Data Sheet

Lot number **1000017110**  
not for drug use

Catalog number **E-2290.0100**  
Product number **4031088.0100**  
Product **H- Pro- OH**  
Molecular formula **C<sub>5</sub>H<sub>9</sub>NO<sub>2</sub>**  
Relative molecular mass **115.13**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in 1N HCl)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 52.2%</td> <td>C = 52.2%</td> </tr> <tr> <td>H = 7.9%</td> <td>H = 7.8%</td> </tr> <tr> <td>N = 12.2%</td> <td>N = 12.2%</td> </tr> </tbody> </table>	Theory	Found	C = 52.2%	C = 52.2%	H = 7.9%	H = 7.8%	N = 12.2%	N = 12.2%
Theory	Found								
C = 52.2%	C = 52.2%								
H = 7.9%	H = 7.8%								
N = 12.2%	N = 12.2%								
Identification (TLC)	Rf value in agreement with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -51.4^\circ$ (5 % in 1N HCl)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
Enantiomer content (GC)	< 0.1% D - Enantiomer								
Other amino acids (GC)	none detected (< 0.3 %)								
Assay (elemental analysis)	99.8% (Nth 12.17%, Nfd 12.15%)								

Latest update: June 19, 2019

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