

## Analytical Data Sheet

Lot number **1000011882**  
not for drug use

Catalog number **G-3050.0001**  
Product number **4001974.0001**  
Product **H- Pro- Phe- OH**  
Molecular formula  $C_{14}H_{18}N_2O_3$   
Relative molecular mass 262.31

Tests	Results
Appearance	white product
Appearance of solution	clear, colorless solution (50 mg/ml in acetic acid 80 %)
Identification (elemental analysis)	Theory Found C = 64.11 % C = 64.13 % H = 6.92 % H = 7.07 % N = 10.68 % N = 10.61 %
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -43.7^\circ$ (1.7 % in hydrochloric acid 6N)
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 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine

Latest update: February 05, 2019

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