

Analytical Data Sheet

Lot number **1000013177**
not for drug use

Catalog number **G-3050.0005**
Product number **4001974.0005**
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 ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine |

Latest update: March 05, 2019

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