

# Analytical Data Sheet

Lot number

**1036816**

not for drug use

<b>Catalog Number</b>	<b>G-3030.0005</b>
<b>Product number</b>	<b>4001060.0005</b>
<b>Product</b>	<b>H- Pro- Ile- OH</b>
<b>Molecular formula</b>	$C_{11}H_{20}N_2O_3$
<b>Relative molecular mass</b>	228.29

Tests	Results
<b>Appearance</b>	white chrystals
<b>Appearance of solution</b>	clear, colorless solution (25mg/mL in acetic acid 80%)
<b>Identification (TLC)</b>	complies with authentic material
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -42.1^\circ$ (1% in acetic acid 80%)
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Assay (elemental analysis)</b>	94.3% (Nth 12.27%, Nfd 11.56%)
<b>Water content (KF volumetric)</b>	4.6%
Latest update: May 18, 2011	

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