

# Analytical Data Sheet

Lot number

## 1012989

not for drug use

<b>Catalog Number</b>	<b>E-3080.0005</b>
<b>Product number</b>	<b>4017515.0005</b>
<b>Product</b>	<b>H- Phe- OBzl · HCl</b>
<b>Molecular formula</b>	<b>C<sub>16</sub>H<sub>17</sub>NO<sub>2</sub> · HCl</b>
<b>Relative molecular mass</b>	<b>291.78</b>

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in MeOH)
<b>Identification (TLC)</b>	conforms with authentic material
<b>Melting point</b>	201 °C
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = + 14.5^\circ$ (1% in dimethylformamide)
<b>Purity (HPLC)</b>	98.9% (TFA)
<b>TLC conditions</b>	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/10/3/4 chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Assay (elemental analysis)</b>	100.0% (Cth 65.86 %, Cfd 65.83 %)
<b>Water content (KF volumetric)</b>	0.4%
<b>Chloride content (titration)</b>	12.2% (AgNO <sub>3</sub> )
Latest update: October 24, 2008	