

# Analytical Data Sheet

Lot number

## 1040097

not for drug use

<b>Catalog Number</b>	F-3860.0005
<b>Product number</b>	4029032.0005
<b>Product</b>	H- Phg- OEt · HCl
<b>Molecular formula</b>	C <sub>10</sub> H <sub>13</sub> NO <sub>2</sub> · HCl
<b>Relative molecular mass</b>	215.68

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in ethanol)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 55.7 %</td> <td>C = 55.3 %</td> </tr> <tr> <td>H = 6.5 %</td> <td>H = 6.4 %</td> </tr> <tr> <td>N = 6.5 %</td> <td>N = 6.4 %</td> </tr> </table> <p>calc. x 1 HCl (16.9 %)</p>	Theory	Found	C = 55.7 %	C = 55.3 %	H = 6.5 %	H = 6.4 %	N = 6.5 %	N = 6.4 %
Theory	Found								
C = 55.7 %	C = 55.3 %								
H = 6.5 %	H = 6.4 %								
N = 6.5 %	N = 6.4 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	195 °C								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = +112.9^\circ$ (1 % in ethanol abs.)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 chloroform/methanol/acetic acid 77.5/15/7.5 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>	82.5% (Cth 67.02 %, Cfd 55.32 %)								
<b>Water content (KF volumetric)</b>	0.2%								
<b>Chloride content (titration)</b>	16.5%								
Latest update: December 14, 2011									