

# Analytical Data Sheet

Lot number

## 1026124

not for drug use

<b>Catalog Number</b>	<b>F-3855.0001</b>
<b>Product number</b>	<b>4028966.0001</b>
<b>Product</b>	<b>H- D- Asp- OtBu</b>
<b>Molecular formula</b>	<b>C<sub>8</sub>H<sub>15</sub>NO<sub>4</sub></b>
<b>Relative molecular mass</b>	<b>189.21</b>

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in acetic acid 80%)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 50.8%</td> <td>C = 50.6%</td> </tr> <tr> <td>H = 8.0%</td> <td>H = 7.7%</td> </tr> <tr> <td>N = 7.4%</td> <td>N = 7.4%</td> </tr> </table>	Theory	Found	C = 50.8%	C = 50.6%	H = 8.0%	H = 7.7%	N = 7.4%	N = 7.4%
Theory	Found								
C = 50.8%	C = 50.6%								
H = 8.0%	H = 7.7%								
N = 7.4%	N = 7.4%								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -19.1^\circ$ (1% in water)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Assay (titration)</b>	99.8% (HClO <sub>4</sub> )								
<b>Water content (KF volumetric)</b>	0.2%								
Latest update: September 25, 2009									