

# Analytical Data Sheet

Lot number

## 1049294

not for drug use

<b>Catalog Number</b>	<b>H-3725.0250</b>
<b>Product number</b>	<b>4007291.0250</b>
<b>Product</b>	<b>Hippuryl- Phe- Arg- OH</b>
<b>Molecular formula</b>	$C_{24}H_{30}N_6O_5$
<b>Relative molecular mass</b>	482.54

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> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 50.0 %</td> <td>C = 50.0 %</td> </tr> <tr> <td>H = 6.5 %</td> <td>H = 6.5 %</td> </tr> <tr> <td>N = 14.6 %</td> <td>N = 14.6 %</td> </tr> </table> calc. x 3.2 H <sub>2</sub> O (10.00 %)	Theory	Found	C = 50.0 %	C = 50.0 %	H = 6.5 %	H = 6.5 %	N = 14.6 %	N = 14.6 %
Theory	Found								
C = 50.0 %	C = 50.0 %								
H = 6.5 %	H = 6.5 %								
N = 14.6 %	N = 14.6 %								
<b>Purity (TLC)</b>	> 98%								
<b>TLC conditions</b>	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate: silicagel 60 F <sub>254</sub> detected by: UV, TMB								
<b>Assay (elemental analysis)</b>	84% (Nth 17.42 %, Nfd 14.59 %)								
<b>Water content (KF volumetric)</b>	10.1%								
Latest update: July 26, 2013									