

# Analytical Data Sheet

Lot number

**1017853**

not for drug use

<b>Catalog Number</b>	<b>G-3350.0250</b>
<b>Product number</b>	<b>4009571.0250</b>
<b>Product</b>	<b>H- Trp- Met- OH</b>
<b>Molecular formula</b>	<b>C<sub>16</sub>H<sub>21</sub>N<sub>3</sub>O<sub>3</sub>S</b>
<b>Relative molecular mass</b>	<b>335.43</b>

Tests	Results	
<b>Appearance</b>	white powder	
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in AcOH 80 %)	
<b>Identification (TLC)</b>	conforms with authentic material	
<b>Purity (TLC)</b>	> 98 %	
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H <sub>2</sub> O 70/42/0.5/10 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB	
<b>Assay (elemental analysis)</b>	96.7 % (Nth 12.53 %, Nfd 12.12 %)	
<b>Water content (KF coulometric)</b>	5.6 %	
<b>Residual organic solvents (GC)</b>	< 0.1% ethanol < 0.1% acetone	
Latest update: October 24, 2008		<b>Analytical Data Sheet</b> Lot number <b>1017853</b>