

# Analytical Data Sheet

Lot number

**1000848**

not for drug use

<b>Catalog Number</b>	F-1025.0025
<b>Product number</b>	4011503.0025
<b>Product</b>	H- cis- Hyp- OH
<b>Molecular formula</b>	C <sub>5</sub> H <sub>9</sub> NO <sub>3</sub>
<b>Relative molecular mass</b>	131.13

Tests	Results								
<b>Appearance</b>	White powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in water)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 45.80 %</td> <td>C = 45.55 %</td> </tr> <tr> <td>H = 6.92 %</td> <td>H = 7.04 %</td> </tr> <tr> <td>N = 10.68 %</td> <td>N = 10.68 %</td> </tr> </table>	Theory	Found	C = 45.80 %	C = 45.55 %	H = 6.92 %	H = 7.04 %	N = 10.68 %	N = 10.68 %
Theory	Found								
C = 45.80 %	C = 45.55 %								
H = 6.92 %	H = 7.04 %								
N = 10.68 %	N = 10.68 %								
<b>Identification (TLC)</b>	Complies with authentic material								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -58.9^\circ$ (2 % in water)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	Isopropanol/ammonia conc. 1/1 Methanol/chloroform/ammonia 17% 2/2/1 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>Enantiomer content (GC)</b>	0.1 % D-trans < 0.1 % L-trans < 0.1 % D-cis 99.8 % L-cis								
Latest update: October 25, 2008									