

Analytical Data Sheet

Lot number

1019220

not for drug use

Catalog Number	F-2980.0005
Product number	4025355.0005
Product	H- D- Hyp- OH
Molecular formula	C ₅ H ₉ NO ₃
Relative molecular mass	131.13

Tests	Results								
Appearance	slightly beige powder								
Appearance of solution	clear, yellowish solution (50 mg/ml in AcOH)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 45.8 %</td> <td>C = 46.0 %</td> </tr> <tr> <td>H = 6.9 %</td> <td>H = 6.9 %</td> </tr> <tr> <td>N = 10.7 %</td> <td>N = 10.6 %</td> </tr> </table>	Theory	Found	C = 45.8 %	C = 46.0 %	H = 6.9 %	H = 6.9 %	N = 10.7 %	N = 10.6 %
Theory	Found								
C = 45.8 %	C = 46.0 %								
H = 6.9 %	H = 6.9 %								
N = 10.7 %	N = 10.6 %								
Identification (TLC)	conforms with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +75.0^\circ$ (1 % in H ₂ O)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Enantiomer content (GC)	> 99.7% D-trans Hyp < 0.1% L-trans Hyp < 0.1% L-cis Hyp < 0.1% D-cis Hyp								
Latest update: November 14, 2008									