

Analytical Data Sheet

Lot number

1016790

not for drug use

Catalog Number	F-1615.0025
Product number	4005380.0025
Product	H- D- Homophe- OH
Molecular formula	C ₁₀ H ₁₃ NO ₂
Relative molecular mass	179.22

Tests	Results								
Appearance	white crystalline powder								
Appearance of solution	clear, colorless solution (5 mg/ml in HCOOH)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 67.02 %</td> <td>C = 66.90 %</td> </tr> <tr> <td>H = 7.31 %</td> <td>H = 7.31 %</td> </tr> <tr> <td>N = 7.82 %</td> <td>N = 7.81 %</td> </tr> </table>	Theory	Found	C = 67.02 %	C = 66.90 %	H = 7.31 %	H = 7.31 %	N = 7.82 %	N = 7.81 %
Theory	Found								
C = 67.02 %	C = 66.90 %								
H = 7.31 %	H = 7.31 %								
N = 7.82 %	N = 7.81 %								
Identification (TLC)	conforms with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -44.7^\circ$ (1 % in 1N HCl)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Enantiomer content (GC)	0.3% L-enantiomer								
Other amino acids (GC)	< 0.3%								
Assay (elemental analysis)	99.9% (Nth 7.82 %, Nfd 7.81 %)								
Water content (KF coulometric)	0.1%								
Latest update: October 24, 2008									