

Analytical Data Sheet

Lot number

1039293

not for drug use

Catalog Number	F-1610.0005
Product number	4005372.0005
Product	H- Homophe- OH
Molecular formula	C ₁₀ H ₁₃ NO ₂
Relative molecular mass	179.22

Tests	Results								
Appearance	white fine product								
Appearance of solution	clear, colorless solution (5 mg/mL in formic acid 50%)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 67.0 %</td> <td>C = 66.6 %</td> </tr> <tr> <td>H = 7.3 %</td> <td>H = 7.1 %</td> </tr> <tr> <td>N = 7.8 %</td> <td>N = 7.7 %</td> </tr> </table>	Theory	Found	C = 67.0 %	C = 66.6 %	H = 7.3 %	H = 7.1 %	N = 7.8 %	N = 7.7 %
Theory	Found								
C = 67.0 %	C = 66.6 %								
H = 7.3 %	H = 7.1 %								
N = 7.8 %	N = 7.7 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +45.0^\circ$ (1 % in 1N HCl)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Enantiomer content (GC)	< 0.1% D-Enantiomer								
Other amino acids (GC)	< 0.3%								
Assay (elemental analysis)	99.2% (Nth 7.82%, Nfd 7.76%)								
Water content (KF coulometric)	0.3%								
Latest update: October 24, 2011									