

Analytical Data Sheet

Lot number

1038525

not for drug use

Catalog Number	F-1940.0100
Product number	4031120.0100
Product	H- Nva- OH
Molecular formula	C₅H₁₁NO₂
Relative molecular mass	117.15

Tests	Results								
Appearance	white crystalline powder								
Appearance of solution	clear, colorless solution (50 mg/mL in water)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 51.3%</td> <td>C = 51.2%</td> </tr> <tr> <td>H = 9.5%</td> <td>H = 9.7%</td> </tr> <tr> <td>N = 12.0%</td> <td>N = 12.0%</td> </tr> </table>	Theory	Found	C = 51.3%	C = 51.2%	H = 9.5%	H = 9.7%	N = 12.0%	N = 12.0%
Theory	Found								
C = 51.3%	C = 51.2%								
H = 9.5%	H = 9.7%								
N = 12.0%	N = 12.0%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +22.4^\circ$ (5 % in 1N HCl)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 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)	100.0% (Nth 11.96%, Nfd 11.97%)								

Latest update: September 01, 2011

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