

Analytical Data Sheet

Lot number

1038017

not for drug use

Catalog Number	G-2495.0025
Product number	4000131.0025
Product	H- Leu- Gly- OH
Molecular formula	C ₈ H ₁₆ N ₂ O ₃
Relative molecular mass	188.23

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 47.6%</td> <td>C = 47.7%</td> </tr> <tr> <td>H = 8.7%</td> <td>H = 9.1%</td> </tr> <tr> <td>N = 13.9%</td> <td>N = 13.9%</td> </tr> </table> <p>calc. x 0.75 H₂O (6.7%)</p>	Theory	Found	C = 47.6%	C = 47.7%	H = 8.7%	H = 9.1%	N = 13.9%	N = 13.9%
Theory	Found								
C = 47.6%	C = 47.7%								
H = 8.7%	H = 9.1%								
N = 13.9%	N = 13.9%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +83.1^\circ$ (1% in water)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (titration)	93.2% (TBAH)								
Water content (KF volumetric)	6.7%								

Latest update: July 29, 2011

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