

Analytical Data Sheet

Lot number

1039742

not for drug use

Catalog Number	B-1500.0005
Product number	4003181.0005
Product	Fmoc- Gly- Val- OH
Molecular formula	$C_{22}H_{24}N_2O_5$
Relative molecular mass	396.44

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (ESI-MS)	m = 396.4u (average mass)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 66.7%</td> <td>C = 66.3%</td> </tr> <tr> <td>H = 6.1%</td> <td>H = 6.3%</td> </tr> <tr> <td>N = 7.1%</td> <td>N = 6.9%</td> </tr> </table>	Theory	Found	C = 66.7%	C = 66.3%	H = 6.1%	H = 6.3%	N = 7.1%	N = 6.9%
Theory	Found								
C = 66.7%	C = 66.3%								
H = 6.1%	H = 6.3%								
N = 7.1%	N = 6.9%								
Identification (TLC)	complies with authentic material								
Melting point	172 °C								
Purity (HPLC)	99.5% (TFA)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Enantiomer content (GC)	< 0.1% D-Enantiomer								
Assay (titration)	98.6% (TBAH)								
Water content (KF volumetric)	0.1%								
Latest update: November 17, 2011									