

Analytical Data Sheet

Lot number

1041143

not for drug use

Catalog Number	C-4200.0005
Product number	4042508.0005
Product	Z- Dap(Fmoc) - OH
Molecular formula	C ₂₆ H ₂₄ N ₂ O ₆
Relative molecular mass	460.49

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)								
Identification (ESI-MS)	m = 460.2u (average mass)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 67.82 %</td> <td>C = 67.68 %</td> </tr> <tr> <td>H = 5.25 %</td> <td>H = 5.26 %</td> </tr> <tr> <td>N = 6.08 %</td> <td>N = 5.89 %</td> </tr> </table>	Theory	Found	C = 67.82 %	C = 67.68 %	H = 5.25 %	H = 5.26 %	N = 6.08 %	N = 5.89 %
Theory	Found								
C = 67.82 %	C = 67.68 %								
H = 5.25 %	H = 5.26 %								
N = 6.08 %	N = 5.89 %								
Purity (HPLC)	98.8% (TFA)								
Purity (TLC)	> 99%								
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 90/8/2 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.8% (Cth 67.82 %, Cfd 67.68 %)								
Assay (titration)	100.3% (TBAH)								

Latest update: February 14, 2012

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