

Analytical Data Sheet

Lot number

1044820

not for drug use

Catalog Number	A-2415.0005
Product number	4001331.0005
Product	Boc- Tyr- OSu
Molecular formula	$C_{18}H_{22}N_2O_7$
Relative molecular mass	378.38

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 57.1%</td> <td>C = 56.8%</td> </tr> <tr> <td>H = 5.9%</td> <td>H = 5.7%</td> </tr> <tr> <td>N = 7.4%</td> <td>N = 7.3%</td> </tr> </table>	Theory	Found	C = 57.1%	C = 56.8%	H = 5.9%	H = 5.7%	N = 7.4%	N = 7.3%
Theory	Found								
C = 57.1%	C = 56.8%								
H = 5.9%	H = 5.7%								
N = 7.4%	N = 7.3%								
Identification (TLC)	complies with authentic material								
Melting point	182 °C								
Specific optical rotation	$[\alpha]_D^{24} = -45.5^\circ$ (1% in dimethylformamide)								
Purity (TLC)	95% (RP-8 plate)								
TLC conditions	methanol 70% plate: RP-8 chloroform/ethylacetate/acetic acid 50/50/2 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								
Assay (elemental analysis)	98.5% (Nth 7.41%, Nfd 7.30%)								

Latest update: October 05, 2012

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