

Analytical Data Sheet

Lot number

1014754

not for drug use

Catalog Number	A-2420.0100
Product number	4000251.0100
Product	Boc- Tyr- OMe
Molecular formula	C₁₅H₂₁NO₅
Relative molecular mass	295.34

Tests	Results								
Appearance	off-white, light yellow powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 61.0 %</td> <td>C = 60.8 %</td> </tr> <tr> <td>H = 7.2 %</td> <td>H = 7.4 %</td> </tr> <tr> <td>N = 4.7 %</td> <td>N = 4.7 %</td> </tr> </table>	Theory	Found	C = 61.0 %	C = 60.8 %	H = 7.2 %	H = 7.4 %	N = 4.7 %	N = 4.7 %
Theory	Found								
C = 61.0 %	C = 60.8 %								
H = 7.2 %	H = 7.4 %								
N = 4.7 %	N = 4.7 %								
Identification (TLC)	complies with authentic material								
Melting point	102 °C								
Specific optical rotation	$[\alpha]_D^{24} = +30.3^\circ$ (1 % Dioxane)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 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)	99.7% (Cth 61.00 %, Cfd 60.79 %)								
Water content (KF volumetric)	0.1%								

Latest update: October 24, 2008

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