

Analytical Data Sheet

Lot number

0568452

not for drug use

Catalog Number	A-3505.0005
Product number	4019774.0005
Product	Boc- D- Asp- OtBu
Molecular formula	C₁₃H₂₃NO₆
Relative molecular mass	289.33

Tests	Results								
Appearance	white 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 = 53.97 %</td> <td>C = 53.81 %</td> </tr> <tr> <td>H = 8.01 %</td> <td>H = 7.95 %</td> </tr> <tr> <td>N = 4.84 %</td> <td>N = 4.78 %</td> </tr> </table>	Theory	Found	C = 53.97 %	C = 53.81 %	H = 8.01 %	H = 7.95 %	N = 4.84 %	N = 4.78 %
Theory	Found								
C = 53.97 %	C = 53.81 %								
H = 8.01 %	H = 7.95 %								
N = 4.84 %	N = 4.78 %								
Identification (TLC)	conforms with authentic material								
Melting point	107 °C								
Specific optical rotation	$[\alpha]_D^{24} = +24.1^\circ$ (1 % in MeOH)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/toluene/H ₂ O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	98.8 % (Nth 4.84 %, Nfd 4.78 %)								

Latest update: October 25, 2008

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