

Analytical Data Sheet

Lot number

1017098

not for drug use

Catalog Number	A-1250.0025
Product number	4002944.0025
Product	Boc- D- Asp(OBzl) - OH
Molecular formula	C₁₆H₂₁NO₆
Relative molecular mass	323.35

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 = 59.43 %</td> <td>C = 59.12 %</td> </tr> <tr> <td>H = 6.55 %</td> <td>H = 6.54 %</td> </tr> <tr> <td>N = 4.33 %</td> <td>N = 4.30 %</td> </tr> </table>	Theory	Found	C = 59.43 %	C = 59.12 %	H = 6.55 %	H = 6.54 %	N = 4.33 %	N = 4.30 %
Theory	Found								
C = 59.43 %	C = 59.12 %								
H = 6.55 %	H = 6.54 %								
N = 4.33 %	N = 4.30 %								
Identification (TLC)	conforms with authentic material								
Melting point	103.5 °C								
Specific optical rotation	$[\alpha]_D^{24} = +19.5^\circ$ (2 % in DMF)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/ethylacetate/acetic acid 50/50/2 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/toluene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.5% (Cth 59.43 %, Cfd 59.12 %)								

Latest update: October 31, 2008

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