

Analytical Data Sheet

Lot number

1016689

not for drug use

Catalog Number	A-2930.0025
Product number	4015227.0025
Product	Boc- Asp(O_{Fm}) - OH
Molecular formula	C₂₃H₂₅NO₆
Relative molecular mass	411.46

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 67.1 %</td> <td>C = 67.4 %</td> </tr> <tr> <td>H = 6.1 %</td> <td>H = 6.1 %</td> </tr> <tr> <td>N = 3.4 %</td> <td>N = 3.4 %</td> </tr> </table>	Theory	Found	C = 67.1 %	C = 67.4 %	H = 6.1 %	H = 6.1 %	N = 3.4 %	N = 3.4 %
Theory	Found								
C = 67.1 %	C = 67.4 %								
H = 6.1 %	H = 6.1 %								
N = 3.4 %	N = 3.4 %								
Identification (TLC)	complies with authentic material								
Melting point	142 °C								
Specific optical rotation	$[\alpha]_D^{24} = +33.2^\circ$ (1 % in chloroform)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 benzene/dioxane/acetic acid 95/25/4 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (titration)	99.6% (TBAH)								

Latest update: October 24, 2008

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