

Analytical Data Sheet

Lot number

1017584

not for drug use

Catalog Number	A-3630.0001
Product number	4025285.0001
Product	Boc- D- Asp- NH₂
Molecular formula	C₉H₁₆N₂O₅
Relative molecular mass	232.24

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 46.55 %</td> <td>C = 46.16 %</td> </tr> <tr> <td>H = 6.94 %</td> <td>H = 6.55 %</td> </tr> <tr> <td>N = 12.06 %</td> <td>N = 11.64 %</td> </tr> </table>	Theory	Found	C = 46.55 %	C = 46.16 %	H = 6.94 %	H = 6.55 %	N = 12.06 %	N = 11.64 %
Theory	Found								
C = 46.55 %	C = 46.16 %								
H = 6.94 %	H = 6.55 %								
N = 12.06 %	N = 11.64 %								
Identification (TLC)	complies with authentic material								
Melting point	149 °C								
Specific optical rotation	[α] _D ²⁴ = + 29.2° (1 % in dimethylformamide)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Latest update: October 24, 2008									