

Analytical Data Sheet

Lot number

1048571

not for drug use

Catalog Number	E-3025.0005
Product number	4018544.0005
Product	Ac- Asp(OtBu) - OH
Molecular formula	C₁₀H₁₇NO₅
Relative molecular mass	231.25

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 = 51.9 %</td> <td>C = 51.9 %</td> </tr> <tr> <td>H = 7.4 %</td> <td>H = 7.6 %</td> </tr> <tr> <td>N = 6.1 %</td> <td>N = 5.9 %</td> </tr> </table>	Theory	Found	C = 51.9 %	C = 51.9 %	H = 7.4 %	H = 7.6 %	N = 6.1 %	N = 5.9 %
Theory	Found								
C = 51.9 %	C = 51.9 %								
H = 7.4 %	H = 7.6 %								
N = 6.1 %	N = 5.9 %								
Identification (TLC)	conforms with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +12.7^\circ$ (1 % in MeOH)								
Purity (TLC)	> 99%								
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (titration)	99.1 % (TBAH)								
Latest update: June 10, 2013	Analytical Data Sheet Lot number 1048571								