

Analytical Data Sheet

Lot number

1022681

not for drug use

Catalog Number	F-2485.0001
Product number	4014932.0001
Product	H- β - (3- Benzothienyl) - D- Ala- OH
Molecular formula	C ₁₁ H ₁₁ NO ₂ S
Relative molecular mass	221.28

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in acetic acid 80 %)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 59.7 %</td> <td>C = 59.5 %</td> </tr> <tr> <td>H = 5.0 %</td> <td>H = 4.8 %</td> </tr> <tr> <td>N = 6.3 %</td> <td>N = 6.3 %</td> </tr> </table> <p>calculated as 0.08 H₂O (0.7 %)</p>	Theory	Found	C = 59.7 %	C = 59.5 %	H = 5.0 %	H = 4.8 %	N = 6.3 %	N = 6.3 %
Theory	Found								
C = 59.7 %	C = 59.5 %								
H = 5.0 %	H = 4.8 %								
N = 6.3 %	N = 6.3 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +28.2^\circ$ (1 % in acetic acid 90 %)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Water content (KF volumetric)	0.7%								
Latest update: March 09, 2009									