

Analytical Data Sheet

Lot number **1072449**
not for drug use

Catalog number **F-2115.0001**
Product number **4008202.0001**
Product **H- β - (2- Thienyl) - D- Ala- OH**
Molecular formula **C₇H₉NO₂S**
Relative molecular mass **171.22**

Tests	Results								
Appearance	white product								
Appearance of solution	clear, colorless solution (25 mg/ml in AcOH 80 %)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 49.11 %</td><td>C = 49.16 %</td></tr><tr><td>H = 5.30 %</td><td>H = 5.00 %</td></tr><tr><td>N = 8.18 %</td><td>N = 8.26 %</td></tr></tbody></table>	Theory	Found	C = 49.11 %	C = 49.16 %	H = 5.30 %	H = 5.00 %	N = 8.18 %	N = 8.26 %
Theory	Found								
C = 49.11 %	C = 49.16 %								
H = 5.30 %	H = 5.00 %								
N = 8.18 %	N = 8.26 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +30.8^\circ$ (1 % in water)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								

Latest update: July 08, 2017

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