

Analytical Data Sheet

Lot number **1000015429**
not for drug use

Retest date n/a
 Catalog number **F-2110.0001**
 Product number **4006811.0001**
 Product **H- β - (2- Thienyl) - Ala- OH**
 Molecular formula $C_7H_9NO_2S$
 Relative molecular mass 171.22

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, slight yellowish solution (10 mg/mL in 80% acetic acid)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = (1\% \text{ in H}_2\text{O}) = -31.0^\circ$
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 6/4/1/3 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% D-enantiomer
Other amino acids (GC)	< 0.2%
Assay (titration)	100.8% (TBAH)
Water content (KF volumetric)	0.6%

Latest update: April 29, 2019

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