

Analytical Data Sheet

Lot number **1072024**
not for drug use

Catalog number **A-3540.0001**
Product number **4019772.0001**
Product **Boc- β - (3- benzothieryl) - Ala- OH**
Molecular formula **C₁₆H₁₉NO₄S**
Relative molecular mass **321.40**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (elemental analysis)	Theory Found C = 59.8 % C = 59.8 % H = 6.0 % H = 5.9 % N = 4.4 % N = 4.4 %
Identification (TLC)	complies with authentic material
Melting point	135 °C
Specific optical rotation	$[\alpha]_D^{24} = -21.2^\circ$ (1 % in methanol)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/ethylacetate/acetic acid 50/50/2 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected: UV, ninhydrin, chlorine-tolidine
Enantiomer content (GC)	0.3% D-Enantiomer

Latest update: June 07, 2017

Analytical Data Sheet
Lot number **1072024**