

Analytical Data Sheet

Lot number

1026361

not for drug use

Catalog Number	F-2490.0005
Product number	4014923.0005
Product	H- β - (3- Benzothieryl) - Ala- OH
Molecular formula	C ₁₁ H ₁₁ NO ₂ S
Relative molecular mass	221.28

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, slight yellowish solution (10 mg/ml in AcOH 90 %)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -26.7^\circ$ (1 % in AcOH 90 %)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected: UV, ninhydrin, TMB
Enantiomer content (GC)	0.8% D-Enantiomer
Other amino acids (GC)	< 0.3%
Assay (titration)	98.4% (HClO ₄)
Water content (KF volumetric)	0.6%
Latest update: September 03, 2009	