

Analytical Data Sheet

Lot number **1000035017**
not for drug use

Product H-allo-Ile-OH
Product number **4006513.1000**
Molecular formula C₆H₁₃NO₂
Relative molecular mass 131.18

Tests	Results
Appearance	white crystals
Appearance of solution	clear, colorless solution (10 mg/mL in 80% AcOH)
Identification (elemental analysis)	Theory Found C = 54.9% C = 54.6% H = 10.0% H = 9.9 % N = 10.7% N = 10.5 %
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = + 37.3^\circ$ (4% 6N HCl)
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
Enantiomer content (GC)	> 99.7% L-allo-Isoleucine < 0.1% L-Isoleucine < 0.1% D-Isoleucine < 0.1% D-allo-Leucine
Assay (elemental analysis)	97.9% (Nth 10.68%, Nfd 10.45%)