

Analytical Data Sheet

Lot number **1070816**
not for drug use

Catalog number **F-1160.0250**
Product number **4006513.0250**
Product **H- allo- Ile- OH**
Molecular formula $C_6H_{13}NO_2$
Relative molecular mass 131.18

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (10 mg/ml in AcOH 80 %)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 54.94 %</td><td>C = 54.69 %</td></tr><tr><td>H = 9.99 %</td><td>H = 10.05 %</td></tr><tr><td>N = 10.68 %</td><td>N = 10.67 %</td></tr></tbody></table>	Theory	Found	C = 54.94 %	C = 54.69 %	H = 9.99 %	H = 10.05 %	N = 10.68 %	N = 10.67 %
Theory	Found								
C = 54.94 %	C = 54.69 %								
H = 9.99 %	H = 10.05 %								
N = 10.68 %	N = 10.67 %								
Identification (TLC)	conforms with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +37.1^\circ$ (4 % in HCl 6N)								
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)	99.9% L-allo-Ile < 0.1% L-Ile 0.1% D-Ile < 0.1% D-allo-Ile								
Assay (elemental analysis)	99.9% (Nth 10.68 %, Nfd 10.67 %)								

Latest update: March 16, 2017

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