

Analytical Data Sheet

Lot number **1070090**
not for drug use

Catalog number **F-1915.0005**
Product number **4007429.0005**
Product **H- Nle- OH**
Molecular formula $C_6H_{13}NO_2$
Relative molecular mass 131.17

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 1N HCl)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +21.46^\circ$ (5 % in 1 N HCl)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% D-Enantiomer
Other amino acids (GC)	none detected (< 0.3 %)
Assay (elemental analysis)	99.5% (Nth 10.68%, Nfd 10.63%)

Latest update: February 10, 2017

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