

Analytical Data Sheet

Lot number **1053640**
not for drug use

Catalog number **E-2310.0005**
Product number **4002617.0005**
Product **H- Pro- OtBu (syrup)**
Molecular formula **C₉H₁₇NO₂**
Relative molecular mass **171.24**

Tests	Results
Appearance	colorless liquid
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -43.5^\circ$ (0.5% in ethanol) (corrected for assay)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Pro-OH
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (GC)	< 0.1% D-Enantiomer
Assay (titration)	95.8% (HClO ₄)

Latest update: May 22, 2014

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