

## Analytical Data Sheet

Lot number **1000025240**  
not for drug use

Catalog number **E-2310.0025**  
Product number **4002617.0025**  
Product **H- Pro- OtBu (syrup)**  
Molecular formula **C<sub>9</sub>H<sub>17</sub>NO<sub>2</sub>**  
Relative molecular mass **171.24**

Tests	Results
Appearance	colorless solution
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)	< 0.2% H-Pro-OH
TLC conditions	ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2
Enantiomer content (GC)	< 0.1% D-Enantiomer
Assay (titration)	94.6% (TBAH)

Latest update: November 25, 2019

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