

## Analytical Data Sheet

Lot number **1000028763**  
not for drug use

Catalog number **F-1325.0005**  
Product number **4005681.0005**  
Product **H-  $\beta$ - tBu- DL- Ala- OH**  
Molecular formula **C<sub>7</sub>H<sub>15</sub>NO<sub>2</sub>**  
Relative molecular mass **145.20**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (20 mg/ml in AcOH 80 %)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 57.8 %</td><td>C = 57.4 %</td></tr><tr><td>H = 10.4 %</td><td>H = 10.4 %</td></tr><tr><td>N = 9.6 %</td><td>N = 9.6 %</td></tr></tbody></table> calc. as x 0.02 H <sub>2</sub> O (0.25 %)	Theory	Found	C = 57.8 %	C = 57.4 %	H = 10.4 %	H = 10.4 %	N = 9.6 %	N = 9.6 %
Theory	Found								
C = 57.8 %	C = 57.4 %								
H = 10.4 %	H = 10.4 %								
N = 9.6 %	N = 9.6 %								
Identification (TLC)	conforms with authentic material								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/30/9/16.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	98.7%(Nth 9.65%, Nfd 9.52%)								
Water content (KF volumetric)	0.25%								

Latest update: February 17, 2020

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