

Analytical Data Sheet

Lot number

1037341

not for drug use

Catalog Number	C-3680.0025
Product number	4018563.0025
Product	Z- Aib- OH
Molecular formula	C ₁₂ H ₁₅ NO ₄
Relative molecular mass	237.26

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)
Identification (TLC)	complies with authentic material
Melting point	78.0 °C
Purity (HPLC)	98.0% (TEAP)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Aib-OH
TLC conditions	acetonitrile/H ₂ O 7/3 toluene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	98.8% (TBAH)
Water content (KF volumetric)	0.1%
Latest update: June 16, 2011	