

Analytical Data Sheet

Lot number	1000042114 not for drug use
Product	Boc-Aib-OH
Product number	4010082.0025
Molecular formula	C ₉ H ₁₇ NO ₄
Relative molecular mass	203.24

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	C-Value 53.0% H-Value 8.5% N-Value 6.9%
Identification (TLC)	complies with authentic material
Melting point	120 °C
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.05% H-Aib-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (titration)	100.0% (TBAH)

Latest update: December 02, 2020

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