

Analytical Data Sheet

Lot number	1000042430 not for drug use
Product	Boc-Lys(Ac)-AMC
Product number	4033972.0250
Molecular formula	C ₂₃ H ₃₁ N ₃ O ₆
Relative molecular mass	445.52

Tests	Results
Appearance	white crystals
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Melting point	156 ° C
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% AMC
TLC conditions	chloroform/methanol/acetic acid/ H ₂ O 45/13/1/2 chloroform/methanol/acetic acid/ H ₂ O 85/13/0.5/1.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	97.8% (Nth 9.43%, Nfd 9.23%)
Water content (KF volumetric)	0.3%

Latest update: December 04, 2020

Analytical Data Sheet
Lot number **1000042430**