

Analytical Data Sheet

Lot number **1070663**
not for drug use

Catalog number **I-1875.0250**
Product number **4033972.0250**
Product **Boc- Lys(Ac) - AMC**
Molecular formula $C_{23}H_{31}N_3O_6$
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: March 09, 2017

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