

**Analytical Data Sheet**

<b>Lot number</b>	<b>1000034763</b> not for drug use
<b>Product</b>	Fmoc-D-Lys(Aloc)-OH
<b>Product number</b>	<b>4027977.0005</b>
<b>Molecular formula</b>	C <sub>25</sub> H <sub>28</sub> N <sub>2</sub> O <sub>6</sub>
<b>Relative molecular mass</b>	452.51

<b>Tests</b>	<b>Results</b>
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in dioxane)
<b>Identification (TLC)</b>	Rf value in agreement with authentic material
<b>Purity (HPLC)</b>	99.47% (TFA)
<b>Related impurities (HPLC)</b>	< 0.02% (LOQ) Fmoc-β-Ala-OH < 0.02% (LOQ) Fmoc-D-Lys(Fmoc)-OH
<b>Purity (TLC)</b>	≥ 99%
<b>Related impurities (TLC)</b>	< 0.05% Aloc-Lys(Aloc)-OH < 0.05% H-Lys(Aloc)-OH < 0.05% Aloc-β-Ala-OH
<b>TLC conditions</b>	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
<b>Assay (titration)</b>	98.2% (TBAH)
<b>Water content (KF volumetric)</b>	0.2%
<b>Acetic acid content (IC)</b>	56 mg/kg

Latest update: July 10, 2020

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