

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	05985
<b>Product</b>	<b><i>N<sup>ε</sup>-Acetyl-D-lysine</i></b> D-Lys(Ac)-OH
<b>CAS Number</b>	51621-57-9
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight</b>	188.2

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL 5N HCl)
<b>Melting Point</b>	227 - 229 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -21 ± 2 ° (C=2 in 5N HCl)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 2% (100 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 99%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**