

# Analytical Data Sheet

Lot number

**1030026**

not for drug use

<b>Catalog Number</b>	F-2970.0250
<b>Product number</b>	4017146.0250
<b>Product</b>	H- trans- 4, 5- Dehydro- DL- Lys- OH · 2 HCl
<b>Molecular formula</b>	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> · 2 HCl
<b>Relative molecular mass</b>	217.09

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in H <sub>2</sub> O)
<b>Identification (FAB-MS)</b>	[M + H] <sup>+</sup> : m/z = 145 u
<b>Melting point</b>	209 °C
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Chloride content (titration)</b>	32.5%

Latest update: March 26, 2010

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