

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	26448
<b>Lot Number</b>	000129-15214
<b>Product</b>	<b><i>N</i><sup>α</sup>-Z-L-2,3-diaminopropionic acid methyl ester hydrochloride</b> Z-L-Dap-OMe•HCl
<b>CAS Number</b>	35761-27-4
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>16</sub> N <sub>2</sub> O <sub>4</sub> •HCl
<b>Molecular Weight</b>	288.73

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<b>Appearance</b>	White crystalline powder
<b>Melting Point</b>	170-171 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -43.2° (C=1 in MeOH)
<b>Assay by titration</b>	98.5%
<b>Purity by HPLC</b>	99.0%
<b>Purity by TLC</b>	> 99%
<b>Application</b>	Important building block for the synthesis of peptides containing DAP residues, e.g. bleomycins, edelfines, tuberactinomycins
<b>Storage</b>	Store at ≤ -18 °C
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager