

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	03026
<b>Product</b>	<b>N<sup>w</sup>-Nitro-L-arginine methyl ester hydrochloride</b>  L-Arg(NO <sub>2</sub> )-OMe•HCl
<b>CAS Number</b>	51298-62-5
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>15</sub> N <sub>5</sub> O <sub>4</sub> •HCl
<b>Molecular Weight</b>	269.7
<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 5 mL Water)
<b>Melting Point</b>	118 - 162 °C
<b>Water Content (Karl Fisher)</b>	≤ 2%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 15 ± 2 ° (C=1 in MeOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 2% (60 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 98%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**