

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	07067
<b>Product</b>	<b>N-<math>\omega</math>-Hydroxy-L-norarginine diacetate salt</b>  nor-NOHA diacetate  L-2-Amino-{4-(2'-hydroxyguanidino)butyric acid diacetate
<b>CAS Number</b>	189302-40-7
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>12</sub> N <sub>4</sub> O <sub>3</sub> ·2C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight</b>	296.278

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<b>Warnings</b>	Very hygroscopic product
<b>Appearance</b>	Off-white powder
<b>Appearance of Solution</b>	Clear, slightly yellow solution (50 mg/mL in Water) Clear, slightly yellow solution (50 mg/ml in 80% acetic acid)
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>TLC System</b>	Methanol/Chloroform/Ammonia 17% (2/2/1) n-butanol/Acetic acid/H <sub>2</sub> O (4/2/2) Ethyl acetate/Pyridine/Acetic Acid/H <sub>2</sub> O (60/60/12/36) Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine, TMB
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>24</sup> = +14.8 ± 1° (C=1% in 80% acetic acid)
<b>Purity by TLC</b>	≥ 97%
<b>Storage</b>	Store at ≤ -4 °C

**For Laboratory Use Only**