

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	32889
<b>Product</b>	<b>Ac-Gly-Lys-OMe acetate salt</b> AGLME G-K Peptide
<b>CAS Number</b>	14752-92-2 (net)
<b>Molecular Formula</b>	C <sub>11</sub> H <sub>21</sub> N <sub>3</sub> O <sub>4</sub> •C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight</b>	319.36
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50 mg/mL in methanol)
<b>Melting Point</b>	137 - 139 °C
<b>Elemental Analysis (Theory)</b>	C : 48.46 ± 0.5%, H : 7.89 ± 0.5%, N : 12.84 ± 0.5% calc. as 1.1 AcOH (20.2%) x 0.1 H <sub>2</sub> O (0.6%)
<b>Water Content (Karl Fisher)</b>	≤ 0.4%
<b>TLC System</b>	Chloroform/methanol/acetic acid 32% : 5/3/1 Ethylacetate/pyridine/acetic acid/water : 6/5/1/3 n-butanol/acetic acid/water : 4/2/2 Plate : silicagel 60 F <sub>254</sub> Detected by : UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>25</sup> = -16 ± 2 ° (C=1% in methanol)
<b>Related Substances</b>	H-Lys-Ome : Not detectable
<b>Purity by TLC</b>	≥ 99%
<b>Storage</b>	Store at 2 - 8 °C

**For Laboratory Use Only**