

# Analytical Data Sheet

Lot number

**1050465**

not for drug use

<b>Catalog Number</b>	I-1470.0050
<b>Product number</b>	4012263.0050
<b>Product</b>	H- Gly- Gly- AMC hydrochloride salt
<b>Molecular formula</b>	C <sub>14</sub> H <sub>15</sub> N <sub>3</sub> O <sub>4</sub>
<b>Relative molecular mass</b>	289.29

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in acetic acid 50%)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 49.70 %</td> <td>C = 49.34 %</td> </tr> <tr> <td>H = 5.18 %</td> <td>H = 5.10 %</td> </tr> <tr> <td>N = 12.42 %</td> <td>N = 12.46 %</td> </tr> </table> <p>calculated as 0.7 H<sub>2</sub>O (3.7 %) x 1 HCl (10.8 %, Cl<sup>-</sup> 10.5 %)</p>	Theory	Found	C = 49.70 %	C = 49.34 %	H = 5.18 %	H = 5.10 %	N = 12.42 %	N = 12.46 %
Theory	Found								
C = 49.70 %	C = 49.34 %								
H = 5.18 %	H = 5.10 %								
N = 12.42 %	N = 12.46 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Purity (TLC)</b>	> 98%								
<b>Related impurities (TLC)</b>	< 0.1% AMC								
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine, UV 366nm								
<b>Assay (elemental analysis)</b>	83.8% (Nth 14.53%, Nfd 12.18%)								
<b>Water content (KF volumetric)</b>	3.2%								
<b>Chloride content (titration)</b>	10.6% (AgNO <sub>3</sub> )								
Latest update: October 21, 2013	<b>Analytical Data Sheet</b> Lot number <b>1050465</b>								