

# Analytical Data Sheet

Lot number

**1028870**

not for drug use

<b>Catalog Number</b>	G-4270.0025
<b>Product number</b>	4052984.0025
<b>Product</b>	Ac- muramyl- Thr- D- Glu- NH <sub>2</sub>
<b>Molecular formula</b>	C <sub>20</sub> H <sub>34</sub> N <sub>4</sub> O <sub>12</sub>
<b>Relative molecular mass</b>	522.51

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	colorless solution, free of visible undissolved material (0.4 % in methanol)
<b>Identification (ESI-MS)</b>	m = 521.8u (monoisotopic mass)
<b>Identification (IR)</b>	spectrum conforms to reference spectrum
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = + 54.1^\circ$ (0.4 % in methanol) (water- and acetic acid-free substance)
<b>Purity (HPLC)</b>	99.5% (anomer 1 29.4 %) (anomer 2 70.1 %)
<b>Purity (TLC)</b>	> 97%
<b>Water content (KF volumetric)</b>	5.5%
<b>Acetic acid content (IC)</b>	0.1%
Latest update: January 27, 2010	<b>Analytical Data Sheet</b> Lot number <b>1028870</b>