

# Analytical Data Sheet

Lot number

## 1044172

not for drug use

<b>Catalog Number</b>	<b>M-2275.0050</b>
<b>Product number</b>	<b>4027777.0050</b>
<b>Product</b>	<b>FA- Phe- Lys- OH · HCl</b>
<b>Molecular formula</b>	$C_{22}H_{27}N_3O_5 \cdot HCl$
<b>Relative molecular mass</b>	449.93

Tests	Results
<b>Appearance</b>	slightly yellow lyophilisate
<b>Appearance of solution</b>	clear, yellow solution (50 mg/mL in water)
<b>Identification (ESI-MS)</b>	m= 413.5 u (average mass)
<b>Identification (TLC)</b>	complies with authentic material
<b>Purity (HPLC)</b>	99.2%
<b>Purity (TLC)</b>	≥ 98%
<b>TLC conditions</b>	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid/H <sub>2</sub> O 60/45/14/6 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
<b>Assay (elemental analysis)</b>	94.9% (Cth 58.73%, Cfd 55.73%)
<b>Water content (KF volumetric)</b>	4.5%
<b>Chloride content (titration)</b>	7.4% (Single determination)
Latest update: September 05, 2012	<b>Analytical Data Sheet</b> Lot number <b>1044172</b>