

**Analytical Data Sheet**

<b>Lot number</b>	<b>1000051019</b> not for drug use
<b>Product</b>	Tos-Gly-Pro-Lys-pNA acetate salt
<b>Product number</b>	<b>4010701.0025</b>
<b>Molecular formula</b>	C <sub>26</sub> H <sub>34</sub> N <sub>6</sub> O <sub>7</sub> S
<b>Relative molecular mass</b>	574.66

<b>Tests</b>	<b>Results</b>
<b>Appearance</b>	slightly yellow powder
<b>Appearance of solution</b>	clear, slightly yellow solution (50 mg/mL in methanol)
<b>Identification (TLC)</b>	complies with authentic material
<b>Purity (HPLC)</b>	99.7% (TFA) 99.5% (TEAP)
<b>Purity (TLC)</b>	> 99%
<b>Related impurities (TLC)</b>	< 0.1% pNA
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H <sub>2</sub> O 70/42/0.5/10 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Assay (elemental analysis)</b>	83.5% (Nth 14.62%, Nfd 12.20%)
<b>Water content (KF volumetric)</b>	1.1%

Latest update: July 29, 2021

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