

## Analytical Data Sheet

Lot number **1072998**  
not for drug use

**Catalog number** N-1125.0100  
**Product number** 4031136.0100  
**Product** **Pepstatin A**  
Isovaleryl- Val- Val- Sta- Ala- Sta- OH  
**Molecular formula** C<sub>34</sub>H<sub>63</sub>N<sub>5</sub>O<sub>9</sub>  
**Relative molecular mass** 685.90

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (25 mg/mL in 80% acetic acid)
<b>Identification (ESI-MS)</b>	m= 685.9u (average mass)
<b>Identification (TLC)</b>	complies with authentic material
<b>Purity (TLC)</b>	> 97%
<b>TLC conditions</b>	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid 90/8/2 chloroform/methanol 8/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
<b>Assay (elemental analysis)</b>	98.8% (Nth 10.21%, Nfd 10.09%)
<b>Biological activity</b>	≥ 920µg/mg

Latest update: August 15, 2017

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