

## Analytical Data Sheet

Lot number **1059841**  
not for drug use

**Catalog number** H-7538.1000  
**Product number** 4094738.1000  
**Product** **(Des- Lys<sup>38</sup>) - M65 trifluoroacetate salt**  
 H- Cys- Asp- Ala- Thr- Cys- Gln- Phe- Arg- Lys- Ala- Ile-  
 Asp- Asp- Cys- Gln- Lys- Gln- Ala- His- His- Ser- Asn-  
 Val- Pro- Gly- Asn- Ser- Val- Phe- Lys- Glu- Cys- Met-  
 Lys- Gln- Lys- Lys- Glu- Phe- Lys- Ala- NH<sub>2</sub>  
 trifluoroacetate salt  
 (Disulfide bonds between Cys<sup>1</sup> and Cys<sup>5</sup>/Cys<sup>14</sup> and  
 Cys<sup>32</sup>)  
**Molecular formula** C<sub>199</sub>H<sub>314</sub>N<sub>62</sub>O<sub>60</sub>S<sub>5</sub>  
**Relative molecular mass** 4695.39

Tests	Results
<b>Appearance</b>	white powder
<b>Identification (MALDI-MS)</b>	m = 4695.5u
<b>Amino acid analysis</b>	Asx 5.2(5) Thr 1.0(1) Ser 1.8(2) Glx 5.7(6) Pro** 2.3(1) Gly 1.1(1) Ala 4.0(4) Cys* 0.2(4) Val 2.1(2) Met* 0.7(1) Ile 1.0(1) Phe 2.8(3) His 2.2(2) Lys 7.1(7) Arg 1.1(1) * partially destroyed during acid hydrolysis ** Proline value high due to the incorporation of Cys.
<b>Solubility</b>	soluble in 0.1% trifluoroacetic acid in water
<b>Purity (HPLC)</b>	> 98%
<b>Assay (AAA)</b>	80.9%

Latest update: June 11, 2015

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