

## Analytical Data Sheet

Lot number **1073147**  
not for drug use

**Catalog number** H-7432.0500  
**Product number** 4090137.0500  
**Product** **Amyloid  $\beta$ - Protein (3- 42) ammonium salt**  
 H- Glu- Phe- Arg- His- Asp- Ser- Gly- Tyr- Glu- Val- His-  
 His- Gln- Lys- Leu- Val- Phe- Phe- Ala- Glu- Asp- Val-  
 Gly- Ser- Asn- Lys- Gly- Ala- Ile- Ile- Gly- Leu- Met- Val-  
 Gly- Gly- Val- Val- Ile- Ala- OH ammonium salt  
**Molecular formula**  $C_{196}H_{301}N_{53}O_{56}S$   
**Relative molecular mass** 4327.94

Tests	Results
<b>Appearance</b>	white powder
<b>Identification (MALDI-MS)</b>	4327.61
<b>Amino acid analysis</b>	Asx 3.12 (3) Val* 4.06 (6) Phe 2.40 (3) Ser 1.88 (2) Met 1.14 (1) His <sup>^</sup> 2.33 (3) Glx 3.59 (4) Ile** 1.77 (3) Lys 2.16 (2) Gly 6.89 (6) Leu 2.02 (2) Arg 0.83 (1) Ala 3.20 (3) Tyr 0.79 (1)  *Valine value low due to the resistance of the Val-His bond, Val-Val bond and Val-Ile to acid hydrolysis **Isoleucine value low due to the resistance of the Ile-Ile bond and Val-Ile bond to acid hydrolysis ^Histidine value low due to the resistance of the Val-His bond and His-His bond to acid hydrolysis
<b>Solubility</b>	insoluble in water at 1mg/mL insoluble in DMF at 1mg/mL soluble in 50% Acetic acid at 1mg/mL
<b>Purity (HPLC)</b>	81.2%
<b>Assay (AAA)</b>	94.5%

Latest update: August 29, 2017

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