

## Analytical Data Sheet

Lot number **1070804**  
not for drug use

**Catalog number** H-7436.0100  
**Product number** 4041241.0100  
**Product** **Amyloid  $\beta$ - Protein (5- 42) ammonium salt**  
 H- 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**  $C_{182}H_{285}N_{51}O_{52}S$   
**Relative molecular mass** 4051.64

Tests	Results
<b>Appearance</b>	white powder
<b>Identification (MALDI-MS)</b>	4052.25
<b>Amino acid analysis</b>	Asx 3.06 (3) Val** 4.60 (6) Phe 1.96 (2) Ser* 1.69 (2) Met* 0.37 (1) His 2.76 (3) Glx 3.10 (3) Ile^ 1.88 (3) Lys 2.00 (2) Gly 5.68 (6) Leu 1.94 (2) Arg 0.94 (1) Ala 3.39 (3) Tyr 0.92 (1)  *Partially destroyed during acid hydrolysis **Valine value low due to the resistance of the Val-Val, Val-Ile and Val-His bonds to acid hydrolysis ^Isoleucine value low due to the resistance of the Val-Ile and Ile-Ile bonds 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>	82.1%
<b>Assay (AAA)</b>	95.4%

Latest update: March 16, 2017

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