

Analytical Data Sheet

Lot number **1000018965**
not for drug use

Catalog number H-7434.0500
Product number 4090138.0500
Product **Amyloid β- Protein (4- 42) ammonium salt**
 H- 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 C₁₉₁H₂₉₄N₅₂O₅₃S
Relative molecular mass 4198.82

Tests	Results
Appearance	white powder
Identification (MALDI-MS)	4198.06
Amino acid analysis	Asx 3.18 (3) Val* 3.93 (6) Phe 2.34 (3) Ser 1.88 (2) Met 1.08 (1) His^ 2.19 (3) Glx 2.71 (3) Ile** 1.67 (3) Lys 2.19 (2) Gly 6.78 (6) Leu 1.86 (2) Arg 0.73 (1) Ala 3.51 (3) Tyr 0.70 (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
Solubility	insoluble in water at 1mg/mL insoluble in DMF at 1mg/mL soluble in 50% Acetic acid at 1mg/mL
Purity (HPLC)	80.3%
Assay (AAA)	91.1%

Latest update: July 24, 2019

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