

Analytical Data Sheet

Lot number **1056710**
not for drug use

Catalog number H-7418.0100
Product number 4089807.0100
Product (Cys²⁶) - Amyloid β - Protein (1- 40) (Dimer)
trifluoroacetate salt
 (H- Asp- Ala- Glu- Phe- Arg- His- Asp- Ser- Gly- Tyr-
 Glu- Val- His- His- Gln- Lys- Leu- Val- Phe- Phe- Ala-
 Glu- Asp- Val- Gly- Cys- Asn- Lys- Gly- Ala- Ile- Ile- Gly-
 Leu- Met- Val- Gly- Gly- Val- Val- OH) ₂ trifluoroacetate
 salt
 (Disulfide bond)
Molecular formula C₃₈₈H₅₈₈N₁₀₆O₁₁₄S₄
Relative molecular mass 8689.85

Tests	Results
Appearance	white powder
Identification (MALDI-MS)	8689.51
Amino acid analysis	Asx 8.19 (8) Cys* 0.17 (2) Tyr 1.83 (2) Ser 1.93 (2) Val** 8.99 (12) Phe 5.52 (6) Glx 7.85 (8) Met* 0.31 (2) His 5.42 (6) Gly 12.1 (12) Ile [^] 1.76 (4) Lys 4.24 (4) Ala 6.13 (6) Leu 4.07 (4) Arg 2.03 (2) *Partially destroyed during acid hydrolysis **Valine value low due to the resistance of the Val-Val bond and the Val-His bond to acid hydrolysis ^Isoleucine value low due to the resistance of the Ile-Ile bond to acid hydrolysis
Solubility	soluble in 0.1% TFA in acetonitrile / water
Purity (HPLC)	>90%
Assay (AAA)	58.7%
Date of manufacture	September 15, 2014