

Analytical Data Sheet

Lot number **1000022670**
not for drug use

Catalog number H-7534.1000
Product number 4063516.1000
Product (Glu^{17,21,24}) - Osteocalcin (1- 49) (human) trifluoroacetate salt
 H- Tyr- Leu- Tyr- Gln- Trp- Leu- Gly- Ala- Pro- Val- Pro- Tyr- Pro- Asp- Pro- Leu- Glu- Pro- Arg- Arg- Glu- Val- Cys- Glu- Leu- Asn- Pro- Asp- Cys- Asp- Glu- Leu- Ala- Asp- His- Ile- Gly- Phe- Gln- Glu- Ala- Tyr- Arg- Arg- Phe- Tyr- Gly- Pro- Val- OH trifluoroacetate salt (Disulfide bond)
Molecular formula C₂₆₆H₃₈₁N₆₇O₇₆S₂
Relative molecular mass 5797.49

Tests	Results
Appearance	white powder
Identification (MALDI-MS)	5797.37
Amino acid analysis	Asx 5.14 (5) Cys* 0.05 (2) Phe 1.83 (2) Glx 7.25 (7) Val 2.92 (3) His 0.98 (1) Pro 7.39 (7) Ile 0.94 (1) Trp* 0.72 (1) Gly 3.17 (3) Leu 4.59 (5) Arg 4.38 (4) Ala 3.07 (3) Tyr 4.65 (5) *Partially destroyed during acid hydrolysis
Solubility	soluble in DMF at 1mg/mL
Purity (HPLC)	95.4%
Assay (AAA)	83.8%

Latest update: September 30, 2019

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