

## Analytical Data Sheet

Lot number **1069618**  
not for drug use

Catalog number **H-6552.0500**  
Product number **4057685.0500**  
Product **(Glu<sup>13,17,20</sup>) - Osteocalcin (1- 46) (mouse)  
trifluoroacetate salt**  
H- Tyr- Leu- Gly- Ala- Ser- Val- Pro- Ser- Pro- Asp- Pro-  
Leu- Glu- Pro- Thr- Arg- Glu- Gln- Cys- Glu- Leu- Asn-  
Pro- Ala- Cys- Asp- Glu- Leu- Ser- Asp- Gln- Tyr- Gly-  
Leu- Lys- Thr- Ala- Tyr- Lys- Arg- Ile- Tyr- Gly- Ile- Thr-  
Ile- OH trifluoroacetate salt  
(Disulfide bond)  
Molecular formula  $C_{226}H_{351}N_{57}O_{74}S_2$   
Relative molecular mass 5114.75

Tests	Results
Appearance	white powder
Amino acid analysis	Asx 3.9 (4) Thr 2.7 (3) Ser 2.8 (3) Glx 6.0 (6) Pro 4.8 (5) Gly 2.9 (3) Ala 2.9 (3) Cys 1.4 (2) Val 0.9 (1) Ile 2.5 (3) Leu 5.0 (5) Tyr 3.7 (4) Lys 1.9 (2) Arg 1.9 (2)
Solubility	at least 1 mg/mL in water
Purity (HPLC)	> 90% (reverse phase HPLC)
Peptide content	85%
General comment	Mass analysis: as expected

Latest update: January 26, 2017

**Analytical Data Sheet**  
Lot number **1069618**