

Analytical Data Sheet

Lot number	1000042475 not for drug use
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)
Product number	4063516.0500
Molecular formula	C ₂₆₆ H ₃₈₁ N ₆₇ O ₇₆ S ₂
Relative molecular mass	5797.49

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