

Analytical Data Sheet

Lot number **1067278**
not for drug use

Catalog number H-4830.0500
Product number 4014853.0500
Product pTH (1- 38) (human)
 H- Ser- Val- Ser- Glu- Ile- Gln- Leu- Met- His- Asn- Leu-
 Gly- Lys- His- Leu- Asn- Ser- Met- Glu- Arg- Val- Glu-
 Trp- Leu- Arg- Lys- Lys- Leu- Gln- Asp- Val- His- Asn-
 Phe- Val- Ala- Leu- Gly- OH
Molecular formula C₁₉₇H₃₁₉N₅₉O₅₅S₂
Relative molecular mass 4458.20

Tests	Results
Appearance	white powder, no visible impurities
Appearance of solution	clear, colorless solution (0.5 % in H ₂ O)
Identification (ESI-MS)	m = 4457.9u (average mass)
Amino acid analysis	Asx 4.11 (4) Ser 2.16 (3) Val 4.00 (4) Gly 2.06 (2) Ala 1.07 (1) Leu 6.36 (6) Met 1.97 (2) Ile 0.94 (1) Lys 3.18 (3) Phe 1.06 (1) His 3.01 (3) Arg 1.82 (2) Glx 5.09 (5)
Purity (HPLC)	> 95% TFA (spez.) 98.4 % (RT) 96.4 % (50 °C) TMAH (spez.) 97.5 % (RT) 95.5 % (50 °C)
Assay (elemental analysis)	90.3% (Nth 18.5 %, Nfd 16.7 %)
Effective content	90.4%
Water content (KF volumetric)	4.9%
Acetic acid content (HPLC)	4.7%
Trifluoroacetic acid content (HPLC)	< 50ppm

Latest update: August 18, 2016

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