

## Analytical Data Sheet

Lot number **1074973**  
not for drug use

**Catalog number** H-5460.1000  
**Product number** 4012212.1000  
**Product** pTH (1- 34) (rat)  
H- Ala- Val- Ser- Glu- Ile- Gln- Leu- Met- His- Asn- Leu-  
Gly- Lys- His- Leu- Ala- Ser- Val- Glu- Arg- Met- Gln-  
Trp- Leu- Arg- Lys- Lys- Leu- Gln- Asp- Val- His- Asn-  
Phe- OH  
**Molecular formula** C<sub>180</sub>H<sub>291</sub>N<sub>55</sub>O<sub>48</sub>S<sub>2</sub>  
**Relative molecular mass** 4057.76

| Tests                          | Results  |
|--------------------------------|--|
| <b>Appearance</b>              | white powder   |
| <b>Identification (ESI-MS)</b> | m = 4056.0u(average mass)  |
| <b>Amino acid analysis</b>     | Asx 3.1 (3) Val 3.0(3) His 2.9(3)<br>*Ser 1.8(2) Met 1.8(2) Lys 3.1(3)<br>Glx 5.0(5) Ile 0.9(1) Arg 2.0(2)<br>Gly 1.0(1) Leu 5.2(5) **Trp 0.2(1)<br>Ala 2.0(2) Phe 1.0(1)<br><br>*May be partially destroyed during acid hydrolysis<br>**Was completely destroyed during acid hydrolysis |
| <b>Solubility</b>              | 1 mg/mL in water yields a clear and colorless solution   |
| <b>Purity (HPLC)</b>           | ≥ 98%  |
| <b>Peptide content</b>         | 74.7%  |

Latest update: February 01, 2018

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