

## Analytical Data Sheet

Lot number **1073441**  
not for drug use

**Catalog number** H-7342.0500  
**Product number** 4074529.0500  
**Product** **Prokineticin 2 Isoform 2 (human) trifluoroacetate salt**  
 H- Ala- Val- Ile- Thr- Gly- Ala- Cys- Asp- Lys- Asp- Ser- Gln- Cys- Gly- Gly- Gly- Met- Cys- Cys- Ala- Val- Ser- Ile- Trp- Val- Lys- Ser- Ile- Arg- Ile- Cys- Thr- Pro- Met- Gly- Lys- Leu- Gly- Asp- Ser- Cys- His- Pro- Leu- Thr- Arg- Lys- Val- Pro- Phe- Phe- Gly- Arg- Arg- Met- His- His- Thr- Cys- Pro- Cys- Leu- Pro- Gly- Leu- Ala- Cys- Leu- Arg- Thr- Ser- Phe- Asn- Arg- Phe- Ile- Cys- Leu- Ala- Gln- Lys- OH trifluoroacetate salt  
 (Disulfide bonds, air oxidized)  
**Molecular formula**  $C_{379}H_{606}N_{114}O_{101}S_{13}$   
**Relative molecular mass** 8792.55

| Tests                            | Results   |
|----------------------------------|---|
| <b>Appearance</b>                | white powder  |
| <b>Identification (MALDI-MS)</b> | 8792.3  |
| <b>Amino acid analysis</b>       | Asx 3.9(4) Trp* 0.1 (1) His 3.4(3)<br>Glx 2.0(2) Thr 6.0 (5) Arg 6.2(6) Leu 6.1(6)<br>Ala 4.8(5) Pro 5.1 (5) Ser* 4.4(5) Lys 5.0(5)<br>Met* 1.6(3) Cys* 0.2(10) Gly 7.7(8)<br>Phe 4.0(4) Ile** 4.0 (5) Val° 4.5(4)<br><br>*partially destroyed during acid hydrolysis<br>**Isoleucine value low due to the resistance of Ile-Val bond to acid hydrolysis<br>°Valine value high due to the resistance of the Ile-Val bond to acid hydrolysis |
| <b>Solubility</b>                | soluble in 0.1% TFA in water  |
| <b>Purity (HPLC)</b>             | > 95%   |
| <b>Assay (AAA)</b>               | 71.3%   |