

Analytical Data Sheet

Lot number

1000024805

not for drug use

Catalog number

H-7342.0100

Product number

4074529.0100

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
Appearance	white powder
Identification (MALDI-MS)	8792.88
Amino acid analysis	<p>Asx 4.21 (4) Gly 8.58 (8) Ile[^] 3.25 (5) Trp^{**} 0.58 (1) Thr 4.98 (5) Ala 5.13 (5) Leu 5.54 (6) Arg 5.99 (6) Ser 4.87 (5) Cys^{**} 0.13 (10) Phe 3.55 (4) Glx 1.92 (2) Val[^] 3.18 (4) His 3.07 (3) Pro[*] 10.2 (5) Met 3.00 (3) Lys 5.09 (5)</p> <p>*Proline value high due to the incorporation of cysteine **Partially destroyed during acid hydrolysis ^Valine and isoleucine values low due to the resistance of the Val-Ile bond to acid hydrolysis</p>
Solubility	soluble in 1% Acetic acid at 1mg/mL
Purity (HPLC)	96.2%
Assay (AAA)	85.5%

Latest update: November 18, 2019

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