# Analytical Data Sheet

**Lot number**  
1000015323  
not for drug use

**Retest date**  
n/a

**Catalog number**  
H-3072.0001

**Product number**  
4030449.0001

**Product**  
Calcitonin (rat) trifluoroacetate salt  
H- Cys- Gly- Asn- Leu- Ser- Thr- Cys- Met- Leu- Gly-  
Thr- Tyr- Thr- Gln- Asp- Leu- Asn- Lys- Phe- His- Thr-  
Phe- Pro- Gln- Thr- Ser- Ile- Gly- Val- Gly- Ala- Pro- NH₂  
trifluoroacetate salt  
(Disulfide bond)

**Molecular formula**  
C_{148}H_{228}N_{40}O_{46}S_{3}

**Relative molecular mass**  
3399.88

<table>
<thead>
<tr>
<th>Tests</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>white powder</td>
</tr>
<tr>
<td>Identification (MALDI-MS)</td>
<td>3400.65</td>
</tr>
</tbody>
</table>
| Amino acid analysis                  | Asx 3.07 (3) Gly 3.91 (4) Ile 0.93 (1) Lys 1.03 (1)  
Thr 4.81 (5) Ala 1.03 (1) Leu 3.00 (3)  
Ser 1.92 (2) Cys** 0.06 (2) Tyr 1.01 (1)  
Glx 2.09 (2) Val 0.97 (1) Phe 1.93 (2)  
Pro* 2.40 (2) Met 0.94 (1) His 1.03 (1)  
  *Proline value high due to the incorporation of cysteine  
  **Partially destroyed during acid hydrolysis |
| Solubility                           | soluble in water at 1mg/mL                   |
| Purity (HPLC)                        | 95.3%                                        |
| Assay (AAA)                          | 90.6%                                        |

Latest update: May 02, 2019