

Analytical Data Sheet

Lot number **1069291**
not for drug use

Catalog number H-2250.0005
Product number 4014409.0005
Product **Calcitonin (human) trifluoroacetate salt**
 H- Cys- Gly- Asn- Leu- Ser- Thr- Cys- Met- Leu- Gly-
 Thr- Tyr- Thr- Gln- Asp- Phe- Asn- Lys- Phe- His- Thr-
 Phe- Pro- Gln- Thr- Ala- Ile- Gly- Val- Gly- Ala- Pro- NH₂
 trifluoroacetate salt
 (Disulfide bond)
Molecular formula C₁₅₁H₂₂₆N₄₀O₄₅S₃
Relative molecular mass 3417.90

| Tests | Results |
|-----------------------------------|---|
| Appearance | white lyophilisate |
| Appearance of solution | clear, colorless solution (1 mg/mL in water) |
| Identification (ESI-MS) | m= 3417.8u (average mass) |
| Amino acid analysis | Asx 3.0 (3) Thr* 4.4 (5) Met 0.9 (1) Cys** det Ser* 0.8 (1) Ala 1.9 (2) Lys 1.0 (1) Glx 2.0 (2) Pro 2.0 (2) Ile 1.0 (1) Gly 4.1 (4) Tyr 1.0 (1) Leu 2.0 (2) His 1.1 (1) Val 1.1 (1) Phe 3.0 (3) * Ser and Thr partially destroyed during hydrolysis ** Cys det. as Cys and Cyss |
| Purity (HPLC) | 96.5% (TFA) |
| Assay (elemental analysis) | 84.3% (Nth 16.39%, Nfd 13.82%) |
| General comment | product supplied as trifluoroacetate salt |

Latest update: January 03, 2017

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