

Certificate of Analysis

Product Name: Calcitonin, eel (TFA)
Cat. No.: HY-P1463A
Batch No.: 39669
Chemical Name: Calcitonin, eel (TFA)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₁₄₈H₂₄₂F₃N₄₃O₄₉S₂
Molecular Weight: 3528.89
Storage:
Powder -80°C 2 years
 -20°C 1 year
In solvent -80°C 6 months
 -20°C 1 month

Chemical Structure:

CSNLSYDYLKLSQELMHLGTYPRFDVIGAGTP-NH₂ (Disulfide bridge: Cys1-Cys7) (TFA salt)

ANALYTICAL DATA

Appearance: White to off-white (Solid)
MS: Consistent with structure
Purity (HPLC): 98.79%
TFA Content: 14.3%
Water: 4.1%
Peptide Content: 81.6%
Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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