

## Calcitonin (salmon)

Cat. No.: HY-P0090  
 CAS No.: 47931-85-1  
 Batch No.: 396939  
 Chemical Name: L-Prolinamide, L-cysteinyl-L-seryl-L-asparaginyl-L-leucyl-L-seryl-L-threonyl-L-cysteinyl-L-valyl-L-leucylglycyl-L-lysyl-L-leucyl-L-seryl-L-glutamyl-L- $\alpha$ -glutamyl-L-leucyl-L-histidyl-L-lysyl-L-leucyl-L-glutamyl-L-threonyl-L-tyrosyl-L-prolyl-L-arginyl-L-threonyl-L-asparaginyl-L-threonylglycyl-L-serylglycyl-L-threonyl-, cyclic (1 $\rightarrow$ 7)-disulfide

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{145}H_{240}N_{44}O_{48}S_2$   
 Molecular Weight: 3431.85  
 Storage: Sealed storage, away from moisture  
 Powder -80°C 2 years  
 -20°C 1 year  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### Chemical Structure:

Cys-Ser-Asn-Leu-Ser-Thr-Cys-Val-Leu-Gly-Lys-Leu-Ser-Gln-Glu-Leu-His-Lys-Leu-Gln-Thr-Tyr-Pro-Arg-Thr-Asn-Thr-Gly-Ser-Gly-Thr-Pro-NH<sub>2</sub> (Disulfide bridge: Cys<sub>1</sub>-Cys<sub>7</sub>)

### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
 LCMS: Consistent with structure  
 Purity (LCMS): 99.80%  
 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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