

## 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-glutaminy-L- $\alpha$ -glutamyl-L-leucyl-L-histidyl-L-lysyl-L-leucyl-L-glutaminy-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 <sub>145</sub> H <sub>240</sub> N <sub>44</sub> O <sub>48</sub> S <sub>2</sub>
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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