

## Atrial Natriuretic Peptide (1-28), human, porcine, Biotin-labeled

Cat. No.: HY-P2491  
 CAS No.: 1815618-06-4  
 Batch No.: 243943  
 Chemical Name: L-Tyrosine, N-[5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]-L-seryl-L-leucyl-L-arginyl-L-arginyl-L-seryl-L-seryl-L-cysteinyl-L-phenylalanylglycylglycyl-L-arginyl-L-methionyl-L- $\alpha$ -aspartyl-L-arginyl-L-isoleucylglycyl-L-alanyl-L-glutamyl-L-serylglycyl-L-leucylglycyl-L-cysteinyl-L-asparaginyl-L-seryl-L-phenylalanyl-L-arginyl-, cyclic (7 $\rightarrow$ 23)-disulfide

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{137}H_{217}N_{47}O_{41}S_4$   
 Molecular Weight: 3308.80  
 Storage: Sealed storage, away from moisture and light, under nitrogen  
 Powder      -80°C      2 years  
                  -20°C      1 years  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

Chemical Structure:

Biotin-SLRRSSCFGGRMDRIGAGSGLGNSFRY (Disulfide bridge: Cys7-Cys23)

### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
 LCMS: Consistent with structure  
 Purity (LCMS): 99.84%  
 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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