

## Anthopleurin-A (TFA)

**Cat. No.:** HY-P4898A  
**Batch No.:** 431251  
**Chemical Name:** L-Glutamic acid, glycy-L-valyl-L-seryl-L-cysteinyl-L-leucyl-L-cysteinyl-L- $\alpha$ -aspartyl-L-seryl-L- $\alpha$ -aspartylglycyl-L-prolyl-L-seryl-L-valyl-L-arginylglycyl-L-asparaginyl-L-threonyl-L-leucyl-L-serylglycyl-L-threonyl-L-leucyl-L-tryptophyl-L-leucyl-L-tyrosyl-L-prolyl-L-serylglycyl-L-cysteinyl-L-prolyl-L-serylglycyl-L-tryptophyl-L-histidyl-L-asparaginyl-L-cysteinyl-L-lysyl-L-alanyl-L-histidylglycyl-L-prolyl-L-threonyl-L-isoleucylglycyl-L-tryptophyl-L-cysteinyl-L-cysteinyl-L-lysyl-, cyclic tris(disulfide) (TFA)

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:**  $C_{220}H_{326}N_{64}O_{67}S_6 \cdot xC_2HF_3O_2$   
**Molecular Weight:** 5131.72 (free base)  
**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:

Gly-Val-Ser-Cys-Leu-Cys-Asp-Ser-Asp-  
Gly-Pro-Ser-Val-Arg-Gly-Asn-Thr-Leu-  
Ser-Gly-Thr-Leu-Trp-Leu-Tyr-Pro-Ser-  
Gly-Cys-Pro-Ser-Gly-Trp-His-Asn-Cys-  
Lys-Ala-His-Gly-Pro-Thr-Ile-Gly-Trp-Cys-  
Cys-Lys-Gln (Disulfide bridge: Cys<sub>4</sub>-  
Cys<sub>46</sub>, Cys<sub>6</sub>-Cys<sub>36</sub>, Cys<sub>29</sub>-Cys<sub>47</sub>) (TFA  
salt)

### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**MS:** Consistent with structure  
**Purity (HPLC):** 98.39%  
**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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