

## Big Endothelin-1 (1-38), human

**Cat. No.:** HY-P2538  
**CAS No.:** 120796-97-6  
**Batch No.:** 105798  
**Chemical Name:** L-Serine, L-cysteinyl-L-seryl-L-cysteinyl-L-seryl-L-seryl-L-leucyl-L-methionyl-L- $\alpha$ -aspartyl-L-lysyl-L- $\alpha$ -glutamyl-L-cysteinyl-L-valyl-L-tyrosyl-L-phenylalanyl-L-cysteinyl-L-histidyl-L-leucyl-L- $\alpha$ -aspartyl-L-isoleucyl-L-isoleucyl-L-tryptophyl-L-valyl-L-asparaginyl-L-threonyl-L-prolyl-L- $\alpha$ -glutamyl-L-histidyl-L-valyl-L-valyl-L-prolyl-L-tyrosylglycyl-L-leucylglycyl-L-seryl-L-prolyl-L-arginyl-, cyclic (1 $\rightarrow$ 15),(3 $\rightarrow$ 11)-bis(disulfide)

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>189</sub>H<sub>282</sub>N<sub>48</sub>O<sub>56</sub>S<sub>5</sub>  
**Molecular Weight:** 4282.92  
**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:

CSCSSLMKCEVYFCHLDIIVNTPEHVVPYGLGSPRS  
(Disulfide bridge: Cys1-Cys15; Cys3-Cys11)

### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**MS:** Consistent with structure  
**Purity (HPLC):** 81.54%  
**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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