

## GsMTx4

Cat. No.: HY-P1410  
CAS No.: 1209500-46-8  
Batch No.: 422852  
Chemical Name: L-Phenylalaninamide, glycyl-L-cysteinyl-L-leucyl-L- $\alpha$ -glutamyl-L-phenylalanyl-L-tryptophyl-L-tryptophyl-L-lysyl-L-cysteinyl-L-asparaginyl-L-prolyl-L-asparaginyl-L- $\alpha$ -aspartyl-L- $\alpha$ -aspartyl-L-lysyl-L-cysteinyl-L-cysteinyl-L-arginyl-L-prolyl-L-lysyl-L-leucyl-L-lysyl-L-cysteinyl-L-seryl-L-lysyl-L-leucyl-L-phenylalanyl-L-lysyl-L-leucyl-L-cysteinyl-L-asparaginyl-L-phenylalanyl-L-seryl-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{185}H_{273}N_{49}O_{45}S_6$   
Molecular Weight: 4095.84  
Storage: Sealed storage, away from moisture and light  
Powder -80°C 2 years  
-20°C 1 year  
\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

### Chemical Structure:

Gly-Cys-Leu-Glu-Phe-Trp-Trp-Lys-Cys-Asn-Pro-Asn-Asp-Asp-Lys-Cys-Cys-Arg-Pro-Lys-Leu-Lys-Cys-Ser-Lys-Leu-Phe-Lys-Leu-Cys-Asn-Phe-Ser-Phe-NH<sub>2</sub>  
(Disulfide bridge: Cys<sub>2</sub>-Cys<sub>17</sub>, Cys<sub>9</sub>-Cys<sub>23</sub>, Cys<sub>16</sub>-Cys<sub>30</sub>)

### ANALYTICAL DATA

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