

## MM 54

Cat. No.: HY-P2271  
CAS No.: 1313027-43-8  
Batch No.: 255414  
Chemical Name: L-Cysteine, L-cysteinyl-L-arginyl-L-prolyl-L-arginyl-L-leucyl-L-cysteinyl-L-lysyl-L-histidyl-L-cysteinyl-L-arginyl-L-prolyl-L-arginyl-L-leucyl-, cyclic (1→6),(9→14)-bis(disulfide)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{70}H_{121}N_{29}O_{15}S_4$   
Molecular Weight: 1737.17  
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:

CRPRLLCKHCRPRLLC (Disulfide bridge: Cys1-Cys6; Cys9-Cys14)

### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
MS: Consistent with structure  
Purity (HPLC): 99.21%  
Peptide Content (%): 82.9%  
Nitrogen Content(N%): 19.39%  
Carbon Content(C%): 40.26%  
Hydrogen Content(H%): 6.544%  
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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