

## Certificate of Analysis

<b>Product Name:</b>	D[LEU4,LYS8]-VP (TFA)
<b>Cat. No.:</b>	CS-0131716
<b>Batch No.:</b>	104175
<b>Chemical Name:</b>	Glycinamide, N-(3-mercapto-1-oxopropyl)-L-tyrosyl-L-phenylalanyl-L-leucyl-L-asparaginyl-L-cysteiny-L-prolyl-L-lysyl-, cyclic (1→5)-disulfide (TFA)

### PHYSICAL AND CHEMICAL PROPERTIES

<b>Molecular Formula:</b>	C <sub>49</sub> H <sub>68</sub> F <sub>3</sub> N <sub>11</sub> O <sub>13</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	1140.25
<b>Storage:</b>	-80°C, 2 years; -20°C, 1 year (Sealed storage, away from moisture)
<b>Chemical Structure:</b>	

(Mpa)-YFLNCPKG-NH<sub>2</sub> (Disulfide bridge:Mpa-Cys<sub>8</sub>) (TFA salt)

### ANALYTICAL DATA

<b>Appearance:</b>	White to off-white (Solid)
<b>LCMS:</b>	Consistent with structure
<b>Purity (LCMS):</b>	98.16%
<b>Peptide Content (%):</b>	81.1%
<b>Nitrogen Content(N%):</b>	12.18%
<b>Carbon Content(C%):</b>	46.76%
<b>Hydrogen Content(H%):</b>	6.270%
<b>Conclusion:</b>	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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