

## PhD4

<b>Cat. No.:</b>	HY-P5651
<b>Molecular Formula:</b>	C <sub>156</sub> H <sub>219</sub> N <sub>43</sub> O <sub>37</sub> S <sub>6</sub>
<b>Molecular Weight:</b>	3481.06
<b>Sequence:</b>	Ala-Cys-Tyr-Cys-Arg-Ile-Pro-Ala-Cys-Phe-Ala-Gly-Glu-Arg-Arg-Tyr-Gly-Thr-Cys-Phe-Tyr-Leu-Gly-Arg-Val-Trp-Ala-Phe-Cys-Cys (Disulfide bridge:Cys2-Cys30, Cys4-Cys19,Cys9-Cys29)
<b>Sequence Shortening:</b>	ACYCRIPACFAGERRYGTCFYLRVWAFCC (Disulfide bridge:Cys2-Cys30, Cys4-Cys19,Cys9-Cys29)
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

PhD4 is an antimicrobial peptide derived from monkey white blood cells. PhD4 has activity against bacteria and fungus *Candida albicans*<sup>[1]</sup>.

### REFERENCES

[1]. Tsvetkova EV, et al. alpha-Defensins from blood leukocytes of the monkey *Papio hamadryas*. *Biochemistry (Mosc)*. 2006 Aug;71(8):879-83.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA