

## BMAP-28

<b>Cat. No.:</b>	HY-P5288
<b>CAS No.:</b>	184870-31-3
<b>Molecular Formula:</b>	C <sub>145</sub> H <sub>250</sub> N <sub>44</sub> O <sub>29</sub>
<b>Molecular Weight:</b>	3073.81
<b>Sequence:</b>	Gly-Gly-Leu-Arg-Ser-Leu-Gly-Arg-Lys-Ile-Leu-Arg-Ala-Trp-Lys-Lys-Tyr-Gly-Pro-Ile-Ile-V al-Pro-Ile-Ile-Arg-Ile-NH2
<b>Sequence Shortening:</b>	GGLRSLGRKILRAWKKYGPIIVPIIRI-NH2
<b>Target:</b>	Antibiotic
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	BMAP-28 is an antibiotic peptide and an inducer of the mitochondrial permeability transition pore. BMAP-28 induces cell death through opening of the mitochondrial permeability transition pore. BMAP-28 can be used in study of microbial infections and cancer <sup>[1]</sup> .								
<b>In Vitro</b>	<p>BMAP-28 (3 μM; 10 min) attenuates mitochondrial calcein fluorescence in U937 cells<sup>[1]</sup>.            BMAP-28 causes depolarization of the inner mitochondrial membrane in single cells and in isolated mitochondria<sup>[1]</sup>.            MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Immunofluorescence<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>U937 cells</td> </tr> <tr> <td>Concentration:</td> <td>3 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>10 min</td> </tr> <tr> <td>Result:</td> <td>Caused a remarkable attenuation of the calcein fluorescence.</td> </tr> </table>	Cell Line:	U937 cells	Concentration:	3 μM	Incubation Time:	10 min	Result:	Caused a remarkable attenuation of the calcein fluorescence.
Cell Line:	U937 cells								
Concentration:	3 μM								
Incubation Time:	10 min								
Result:	Caused a remarkable attenuation of the calcein fluorescence.								

### REFERENCES

[1]. Risso A, et al. BMAP-28, an antibiotic peptide of innate immunity, induces cell death through opening of the mitochondrial permeability transition pore. Mol Cell Biol. 2002 Mar;22(6):1926-35.

**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

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