

# Certificate of Analysis

<b>PRODUCT NAME:</b>	Melittin-Cys
<b>STRUCTURE:</b>	H-Gly-Ile-Gly-Ala-Val-Leu-Lys-Val-Leu-Thr-Thr-Gly-Leu-Pro-Ala-Leu-Ile-Ser-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Cys-NH <sub>2</sub>  H-GIGAVLKVLTGTPALISWIKRKRQQC-NH <sub>2</sub>
<b>CATALOGUE NUMBER :</b>	AM-210
<b>BATCH:</b>	3031
<b>QUANTITY:</b>	1mg
<b>PHYSICAL APPEARANCE:</b>	Off-white powder
<b>SALT:</b>	Trifluoroacetic acid
<b>MOLECULAR WEIGHT:</b>	<b>Conforms:</b> Expected 2949.63; Found 2948.4
<b>FORMULA:</b>	C <sub>134</sub> H <sub>234</sub> N <sub>40</sub> O <sub>32</sub> S
<b>PURITY:</b>	<b>Conforms:</b> 98.6% >95% by HPLC
<b>STORAGE:</b>	Store frozen, dark and desiccated
<b>SOLUBILITY:</b>	Physiological buffers including: PBS (>1mg.mL <sup>-1</sup> ) Soluble in DMSO as a stock.
<b>REFERENCES:</b>	Fukushima et al (1998) Peptides <b>5</b> 811  Shi et al (2016) Appl. Microbiol. Biotechnol. <b>100</b> , 5059  Duffy et al (2020) Precis. Onc. <b>4</b> 24

**THIS PRODUCT IS NOT FOR HUMAN OR DRUG USE**