

## TAT-BH4 (Bcl-xL)

<b>Cat. No.:</b>	HY-P5320
<b>Molecular Formula:</b>	C <sub>160</sub> H <sub>270</sub> N <sub>58</sub> O <sub>45</sub> S
<b>Molecular Weight:</b>	3758.28
<b>Sequence:</b>	Ac-Cys-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg- $\beta$ Ala-Ser-Asn-Arg-Glu-Leu-Val-Val-Asp-Phe-Leu-Ser-Tyr-Lys-Ser-Gln-Lys-Gly-Tyr-Ser
<b>Sequence Shortening:</b>	Ac-CRKKRRQRRR- $\beta$ Ala-SNRELVDFLSYKSQKGYS
<b>Target:</b>	Apoptosis
<b>Pathway:</b>	Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

TAT-BH4 (Bcl-xL) localized mainly at the mitochondria, prevents apoptotic cell death. TAT-BH4 (Bcl-xL) is a fusion peptide that combines the N-terminal cysteine conjugated protein transduction domain of HIV TAT protein (amino acids 49 to 57) with the Bcl-xL BH4 peptide. TAT-BH4 can be used for research of diseases caused by accelerated apoptosis<sup>[1]</sup>.

### REFERENCES

[1]. Shimizu S, et al. BH4 domain of antiapoptotic Bcl-2 family members closes voltage-dependent anion channel and inhibits apoptotic mitochondrial changes and cell death. Proc Natl Acad Sci U S A. 2000 Mar 28;97(7):3100-5.

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

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