TAT-BH4 (Bcl-xL) (TFA)

Cat. No.: HY-P5320A

Molecular Formula: $C_{160}H_{270}N_{58}O_{45}S.xC_2HF_3O_2$

Sequence: Ac-Cys-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-{βAla}-Ser-Asn-Arg-Glu-Leu-Val-Val-Asp-Phe-Leu-Ser-Tyr-Lys-Ser-Gln-Lys-Gly-Tyr-Ser

Ac-GRKKRRQRRR-{βAla}-SNRELVVDFLSYKSQKGYS (TFA salt)

Sequence Shortening: Ac-CRKKRRQRRR-{βAla}-SNRELVVDFLSYKSQKGYS

Target: Apoptosis

Pathway: Apoptosis

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	TAT-BH4 (Bcl-xL) TFA is 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 TFA can be used for research of diseases caused by accelerated apoptosis[1].

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.

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