

## TAT-NEP1-40

<b>Cat. No.:</b>	HY-P5754
<b>Molecular Formula:</b>	C <sub>268</sub> H <sub>438</sub> N <sub>88</sub> O <sub>77</sub>
<b>Molecular Weight:</b>	6124.89
<b>Sequence:</b>	Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Arg-Ile-Tyr-Lys-Gly-Val-Ile-Gln-Ala-Ile-Gln-Lys-Ser-Asp-Glu-Gly-His-Pro-Phe-Arg-Ala-Tyr-Leu-Glu-Ser-Glu-Val-Ala-Ile-Ser-Glu-Glu-Leu-Val-Gln-Lys-Tyr-Ser-Asn-Ser-NH <sub>2</sub>
<b>Sequence Shortening:</b>	YGRKKRRQRRRIYKGVIAIQKSDEGHPFRAYLESEVAISEELVQKYSNS-NH <sub>2</sub>
<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-NEP1-40 is a BBB-penetrable peptide. TAT-NEP1-40 protects PC12 cells against oxygen and glucose deprivation (OGD), and promotes neurite outgrowth. TAT-NEP1-40 also improves ischemia-induced neurologic outcomes by inhibiting cell apoptosis in ischemic brains. TAT-NEP1-40 can be used for research of CNS injuries, such as axonal regeneration and functional recovery after stroke<sup>[1]</sup>.

## REFERENCES

[1]. Gou X, et al. TAT-NEP1-40 as a novel therapeutic candidate for axonal regeneration and functional recovery after stroke. *J Drug Target*. 2011 Feb;19(2):86-95.

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

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