

## Cys(Npys)-TAT (47-57)

Cat. No.:	HY-P4101
Molecular Formula:	C <sub>73</sub> H <sub>127</sub> N <sub>35</sub> O <sub>16</sub> S <sub>2</sub>
Molecular Weight:	1815.14
Sequence:	Cys(Npys)-Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-NH <sub>2</sub>
Sequence Shortening:	C(Npys)YGRKKRRQRRR-NH <sub>2</sub>
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Cys(Npys)-TAT (47-57) is a peptide fragment of TAT peptide and it is able to interact with plasmid DNA electrostatically. Cys(Npys)-TAT (47-57) is corresponding to the transduction domain of TAT with an activated cysteine residue C. TAT is a small nuclear transcriptional activator protein encoded by HIV-1<sup>[1]</sup>.

### REFERENCES

[1]. Ignatovich IA, et al. Complexes of plasmid DNA with basic domain 47-57 of the HIV-1 Tat protein are transferred to mammalian cells by endocytosis-mediated pathways. J Biol Chem. 2003 Oct 24;278(43):42625-36.

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

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