

## TAT-p16

Cat. No.:	HY-P10324
Molecular Formula:	C <sub>159</sub> H <sub>274</sub> N <sub>64</sub> O <sub>40</sub>
Molecular Weight:	3722.28
Sequence:	Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Gly-Asp-Ala-Ala-Arg-Glu-Gly-Phe-Leu-Ala-Thr-Leu-Val-Val-Leu-His-Arg-Ala-Gly-Ala-Arg
Sequence Shortening:	YGRKKRRQRRRGDAAREGFLATLVVLRHAGAR
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	TAT-p16 (p16INK4a peptide) is a peptide mimic of p16INK4a that can induce an early G <sup>[1]</sup> phase cell cycle arrest in the absence of active cyclin E:Cdk2 complex <sup>[1]</sup> .
In Vitro	TAT-p16 (10-100 μM; 30 h) leads to a significant G <sub>1</sub> phase cell cycle arrest in human HaCaT keratinocytes <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Gius DR, et al. Transduced p16INK4a peptides inhibit hypophosphorylation of the retinoblastoma protein and cell cycle progression prior to activation of Cdk2 complexes in late G1. Cancer Res. 1999 Jun 1;59(11):2577-80.

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

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