



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## TAT-p16

<b>Cat. No.:</b>	HY-P10324
<b>Molecular Formula:</b>	C <sub>159</sub> H <sub>274</sub> N <sub>64</sub> O <sub>40</sub>
<b>Molecular Weight:</b>	3722.28
<b>Sequence:</b>	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
<b>Sequence Shortening:</b>	YGRKKRRQRRRGDAAREGFLATLVVLRHAGAR
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	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> .
<b>In Vitro</b>	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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