



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)

## TAT-PiET

Cat. No.:	HY-P10445
CAS No.:	3036046-03-1
Molecular Formula:	C <sub>110</sub> H <sub>192</sub> N <sub>48</sub> O <sub>27</sub> S
Molecular Weight:	2651.07
Sequence:	Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Arg-Asn-Gln-Lys-Phe-Lys-Cys-Gly-Glu
Sequence Shortening:	YGRKRRQRRRNQKFKCGE
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	TAT-PiET is a cell-penetrating peptide targeting the extra-terminal (ET) domain of BRD4 that disrupts the BRD4/JMJD6 interaction. BRD4/JMJD6 is a protein complex that is critical for oncogene expression and breast cancer, and TAT-PiET inhibits BRD4/JMJD6 target gene expression and breast cancer cell growth. TAT-PiET also resists endocrine resistance in ER $\alpha$ -positive breast cancer cells and is a potential inhibitor of breast cancer <sup>[1]</sup> .
IC <sub>50</sub> & Target	BRD4/JMJD6, BRD4 extraterminal (ET) domain <sup>[1]</sup>

### REFERENCES

[1]. Huang QX, et al. Peptide Inhibitor Targeting the Extraterminal Domain in BRD4 Potently Suppresses Breast Cancer Both In Vitro and In Vivo. J Med Chem. 2024 Apr 25;67(8):6658-6672.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA