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Zuschläge

- Mindermengenzuschlag
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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

www.szabo-scandic.com

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

TAT-PiET-PROTAC

Cat. No.:	HY-P10446
Molecular Formula:	C ₁₄₅ H ₂₃₉ N ₅₃ O ₃₅ S
Molecular Weight:	3316.85
Sequence:	Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Asn-Gln-Lys-Phe-Lys-Cys-Gly-Glu-[A hx]-Tyl-{Hyp}-Tyr-Ile
Sequence Shortening:	YGRKKRRQRRRRNQKFKCGE-[Ahx]-Y-{Hyp}-YI
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-PROTAC is a proteolysis-targeting chimera (PROTAC)-modified TAT-PiET (HY-P10445). TAT-PiET is a cell-penetrating peptide targeting the extra-terminal (ET) domain of BRD4. TAT-PiET-PROTAC can disrupt the interaction between the breast cancer oncogene BRD4/JMJD6 and inhibit the growth of breast cancer cells. TAT-PiET-PROTAC also resists the endocrine resistance of ER α -positive breast cancer cells and is a potential inhibitor of breast cancer ^[1] .
IC ₅₀ & Target	BRD4/JMJD6, BRD4 extraterminal (ET) domain ^[1]

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