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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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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

www.szabo-scandic.com

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

TAT-D1 peptide

Cat. No.:	HY-P10405
Molecular Formula:	C ₁₄₄ H ₂₅₇ N ₅₇ O ₄₃
Molecular Weight:	3474.94
Sequence:	Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Pro-Gln-Gly-Ser-Ser-Glu-Asp-Leu-Lys-Lys-Glu-Ala-Ala-Gly-Ile-Ala-Arg-Pro-Leu
Sequence Shortening:	GRKKRRQRRRPQGSSDLKKEEAAGIARPL
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

TAT-D1 peptide is a selective D1-D2 heterogeneous antagonist. TAT-D1 peptide destroys the heterodimer of the D1-D2 receptor by interacting with the specific domain of the D2 receptor through its unique amino acid sequence, in particular the two glutamate residues at the C terminal of the D1 receptor. TAT-D1 peptide can be used to study the role of D1-D2 receptor heterodimers in the regulation of depressive and anxiety-like behaviors^[1].

REFERENCES

[1]. Shen M Y F, et al. Rapid anti-depressant and anxiolytic actions following dopamine D1–D2 receptor heteromer inactivation[J]. *European Neuropsychopharmacology*, 2015, 25(12): 2437-2448.

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