



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PDpep1.3

Cat. No.:	HY-P10404
Molecular Formula:	C ₅₉ H ₁₀₁ N ₁₇ O ₂₂
Molecular Weight:	1400.53
Sequence:	Asp-Glu-Glu-Ile-Glu-Arg-Gln-Leu-Lys-Ala-Leu-Gly
Sequence Shortening:	DEEIERQLKALG
Target:	α-synuclein
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Pdpe 1.3 is a peptide inhibitor, The main activity is to destroy the direct interaction between α-synuclein and CHarged Multivesicular body Protein 2B (CHMP2B). By interfering with this interaction, PDpep1.3 restores the degradation function of the endocytosomes and lysosomes, thereby reducing alpha-synuclein levels and protecting dopaminergic neurons from alpha-synuclein mediated degradation. Pdpe 1.3 can be used in the study of neurodegenerative diseases and protein-protein interactions^[1].

REFERENCES

[1]. Nim S, et al. Disrupting the α-synuclein-ESCRT interaction with a peptide inhibitor mitigates neurodegeneration in preclinical models of Parkinson's disease[J]. Nature Communications, 2023, 14(1): 2150.

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

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