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DATASHEET

Tat- β syn-degron

Product overview

Name	Tat- β syn-degron
Cat No	HB7407
Biological action	Inhibitor
Purity	>95%
Description	Novel α -synuclein knockdown peptide

Biological Data

Biological description	Novel α -synuclein knockdown peptide which reduces α -synuclein levels via proteasomal degradation. BBB and plasma membrane permeable. Decreases α -synuclein aggregates and microglial activation in a pre-formed fibril model of spreading synucleinopathy in transgenic mice overexpressing human A53T α -synuclein. Reduces α -synuclein levels and decreases neuronal damage and motor impairment in a mouse toxicity model of Parkinson's disease.
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Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in water
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Molecular Weight	3146.71
Molecular Formula	C ₁₃₂ H ₂₃₇ N ₅₉ O ₃₁

References

Development of an α -synuclein knockdown peptide and evaluation of its efficacy in Parkinson's disease models.

Jin JW et al (2021) Communications biology 4

PubMedID [33608634](#)