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# **DATASHEET**

Tat-βsyn-degron

### **Product overview**

NameTat-βsyn-degronCat NoHB7407Biological actionInhibitorPurity>95%

**Description** Novel a-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  $\alpha$ -synuclein aggregates and microglial activation in a pre-formed fibril model of spreading synucleinopathy in transgenic mice overexpressing human A53T  $\alpha$ -synuclein. Reduces  $\alpha$ -synuclein levels and decreases neuronal damage and motor impairment in a

mouse toxicity model of Parkinson's disease.

## Solubility & Handling

Solubility overview Soluble in water

Storage instructions -20 °C

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

**Shipping Conditions** 

**Important** 

Stable for ambient temperature shipping. Follow storage instructions on receipt.

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

### **Chemical Data**

#### 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