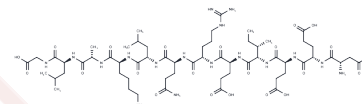


## PDpep1.3

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 2942277-55-4  |
| Formula:          | C59H101N17O22   |
| Molecular Weight: | 1400.53   |
| Storage:          | Keep away from moisture<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |



## Biological Description

|               |  |
|---------------|--|
| Description   | PDpep1.3 is a peptide inhibitor targeting $\alpha$ -synuclein, which disrupts the direct interaction between $\alpha$ -synuclein and CHarged Multivesicular body Protein 2B (CHMP2B). This disruption enables PDpep1.3 to restore the degradative functions of endosomes and lysosomes, reducing the levels and aggregation of $\alpha$ -synuclein, and safeguarding dopaminergic neurons from $\alpha$ -synuclein-induced degeneration. PDpep1.3 is useful for research on neurodegenerative diseases and protein-protein interactions. |
| Targets(IC50) | Others   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.714 mL  | 3.5701 mL | 7.1402 mL |
| 5 mM  | 0.1428 mL | 0.714 mL  | 1.428 mL  |
| 10 mM | 0.0714 mL | 0.357 mL  | 0.714 mL  |
| 50 mM | 0.0143 mL | 0.0714 mL | 0.1428 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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