Product Name: α-Synuclein Degrader 2b
Catalog No.: 8040
Batch No.: 1
CAS Number: 2781922-42-5
IUPAC Name: 2-[[3-[[5-[(1,3-Benzodioxol-5-yl)-1H-pyrazol-3-yl]phenyl]amino]-N-[[2-[[2-[[2-[[2-[[2-(2,6-dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1H-isooindol-4-yl]amino]ethoxy]ethoxy]ethoxy]ethyl]acetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

- Batch Molecular Formula: C_{39}H_{41}N_{7}O_{10}.\frac{1}{2}H_{2}O
- Batch Molecular Weight: 776.81
- Physical Appearance: Yellow solid
- Solubility: DMSO to 100 mM
- Storage: Store at -20°C

2. ANALYTICAL DATA

- HPLC: Shows 98.6% purity
- \textsuperscript{1}H NMR: Consistent with structure
- Mass Spectrum: Consistent with structure
- Microanalysis: Carbon Hydrogen Nitrogen
  - Theoretical: 60.3 5.45 12.62
  - Found: 59.47 5.38 12.54
Product Name: α-Synuclein Degrader 2b
Catalog No.: 8040

CAS Number: 2781922-42-5
IUPAC Name: 2-[[3-[[5-(1,3-Benzodioxol-5-yl)-1H-pyrazol-3-yl]phenyl]amino]-N-[2-[[2-[[2-[[2-[[2-(2,6-dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1H-isooindol-4-yl]amino]ethoxy]ethoxy]ethoxy]ethyl]acetamide

Description:
α-Synuclein Degrader 2b is a selective α-synuclein PROTAC® Degrader (DC₅₀ = 7.5 μM; Dₘₐₓ = 89%). Comprised the probe molecule sery308, joined by a linker to a pomalidomide E3 ligase ligand. Activates both proteasomal and lysosomal degradation pathways. Protects SH-SY5Y cells from α-synuclein-induced cytotoxicity. Cell permeable. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

Physical and Chemical Properties:
Batch Molecular Formula: C₅₀H₄₁N₇O₁₀.½H₂O
Batch Molecular Weight: 776.81
Physical Appearance: Yellow solid
Minimum Purity: ≥98%

Storage: Store at -20°C

Solubility & Usage Info:
DMSO to 100 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: