

Product Name: α-Synuclein Degradar 2b

Catalog No.: 8040

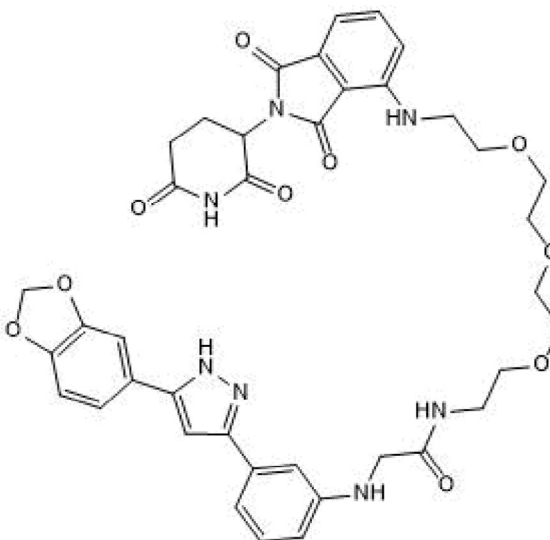
Batch No.: 1

CAS Number: 2781922-42-5

IUPAC Name: 2-[[[3-[5-(1,3-Benzodioxol-5-yl)-1*H*-pyrazol-3-yl]phenyl]amino]-*N*-[2-[2-[2-[[2-(2,6-dioxo-3-piperidiny)]-2,3-dihydro-1,3-dioxo-1*H*-isoindol-4-yl]amino]ethoxy]ethoxy]ethyl]acetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₉H₄₁N₇O₁₀ · ½H₂O
Batch Molecular Weight: 776.81
Physical Appearance: Yellow solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.6% purity
¹H 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

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Description:

α-Synuclein Degradator 2b is a selective α-synuclein PROTAC® Degradator (DC₅₀ = 7.5 μM; D_{max} = 89%). Comprises 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:

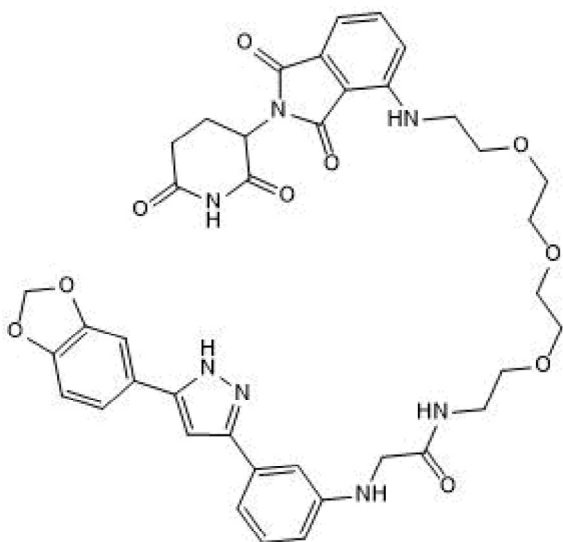
Batch Molecular Formula: C₃₉H₄₁N₇O₁₀·½H₂O

Batch Molecular Weight: 776.81

Physical Appearance: Yellow solid

Minimum Purity: ≥98%

Batch Molecular Structure:



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:

Tong *et al* (2023) Discovery of small-molecule degraders for alpha-synuclein aggregates. *J.Med.Chem.* **66** 7926. PMID: 37267712.

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