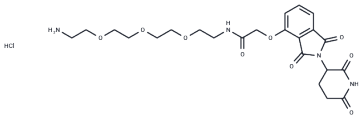
# Data Sheet (Cat.No.T18820)

TargetMol
YOUR TARGET MOLECULES

## Thalidomide-O-amido-PEG3-C2-NH2 hydrochloride

### Chemical Properties



CAS No. : 2245697-84-9

Formula: C23H31ClN4O9

Molecular Weight: 542.97

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

### Biological Description

| | |
|---|---|
| Description | Thalidomide-O-amido-PEG3-C2-NH2 hydrochloride is a chemical compound that has been synthesized as an E3 ligase ligand-linker conjugate. This compound incorporates a cereblon ligand derived from Thalidomide and a 3-unit PEG linker. It is specifically designed for use in PROTAC technology, which utilizes small molecules to induce protein degradation [1]. |
| Targets(IC50) | Others |
| In vitro | Thalidomide-O-amido-PEG3-C2-NH2 hydrochloride, integrating a Degron (E3 ubiquitin ligase) and a connecting linker, serves a pivotal role in PROTAC technology. This compound attaches to the targeting ligand, facilitating the degradation of specific target proteins, notably BRD4, BRD2, and BRD3[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 1.8417 mL | 9.2086 mL | 18.4172 mL |
| 5 mM | 0.3683 mL | 1.8417 mL | 3.6834 mL |
| 10 mM | 0.1842 mL | 0.9209 mL | 1.8417 mL |
| 50 mM | 0.0368 mL | 0.1842 mL | 0.3683 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.

Reference

Methods to induce targeted protein degradation through bifunctional molecules. WO2017007612A1.



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