

Product Name: Thalidomide 5'-amine-PEG3-amine

Catalog No.: 7737

Batch No.: 1

CAS Number: 2863635-01-0

IUPAC Name: 5-[(2-(2-(2-(2-Aminoethoxy)ethoxy)ethoxy)ethyl)amino]-2-(2,6-dioxopiperidin-3-yl)isoindoline-1,3-dione hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

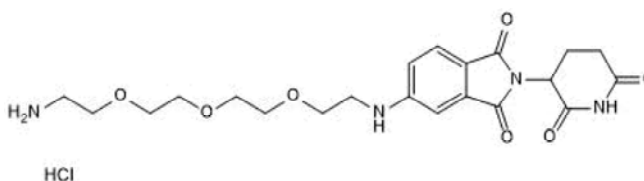
Batch Molecular Formula: C₂₁H₂₈N₄O₇·HCl·1³/₄H₂O

Batch Molecular Weight: 516.45

Physical Appearance: Green solid

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	Chlorine
Theoretical	48.84	6.34	10.85	6.86
Found	46.75	6.18	10.27	10

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Thalidomide 5'-amine-PEG3-amine is a functionalized cereblon ligand for PROTAC® research and development; incorporates an E3 ligase ligand plus a PEG3 linker with terminal amine ready for conjugation to a target protein ligand. Part of a range of functionalized tool molecules for PROTAC R&D. Please contact us for SD files of our available Degradation Building Blocks. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license. Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

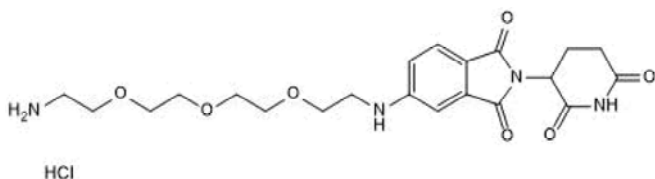
Batch Molecular Formula: C₂₁H₂₈N₄O₇·HCl·1¾H₂O

Batch Molecular Weight: 516.45

Physical Appearance: Green solid

Minimum Purity: ≥95%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

This compound is hygroscopic and may absorb atmospheric moisture during prolonged storage, causing the solid to become sticky and/or collapse into a gel or glass-like form. Although purity is unaffected, it may be difficult to extract the full quantity from the vial. In such a situation, we recommend that solutions are made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

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. Our standard recommendations are:

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.

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