

**Product Name:** Pomalidomide 4'-PEG3-acid

**Catalog No.:** 6681

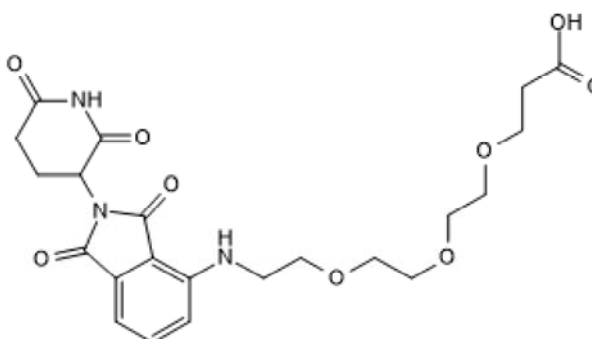
**Batch No.:** 2

CAS Number: 2138440-82-9

IUPAC Name: 3-[2-[2-[2-[(2,6-Dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1*H*-isoindol-4-yl]amino]ethoxy]ethoxy]ethoxy]propanoic acid

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>22</sub>H<sub>27</sub>N<sub>3</sub>O<sub>9</sub>  
**Batch Molecular Weight:** 477.46  
**Physical Appearance:** Yellow solid  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	55.34	5.7	8.8
Found	55.09	5.85	8.59

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

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**Description:**

Pomalidomide 4'-PEG3-acid is a functionalized cereblon ligand for PROTAC® research and development; incorporates an E3 ligase ligand plus a PEG3 linker with terminal carboxylic acid ready for conjugation to a target protein ligand. Part of a range of functionalized tool molecules for PROTAC R&D. This product has been recently renamed. The previous name for this product was Pomalidomide - linker 2 PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

**Physical and Chemical Properties:**

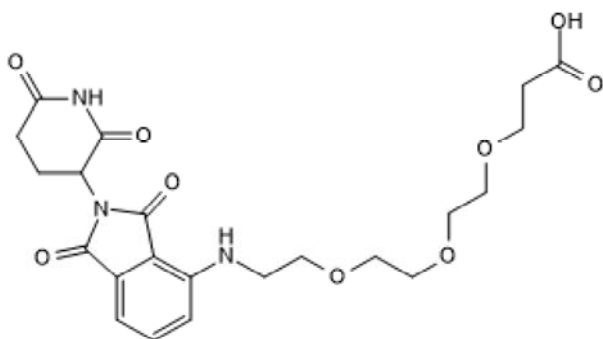
Batch Molecular Formula: C<sub>22</sub>H<sub>27</sub>N<sub>3</sub>O<sub>9</sub>

Batch Molecular Weight: 477.46

Physical Appearance: Yellow 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.

**References:**

Remillard *et al* (2017) Degradation of the BAF complex factor BRD9 by heterobifunctional ligands. *Angew.Chem.Int.Ed.Engl.* **56** 5738. PMID: 28418626.

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