

Product Name: Thalidomide 4'-oxyacetamide-alkylC4-azide

Catalog No.: 6300

Batch No.: 1

CAS Number: 2098488-36-7

IUPAC Name: *N*-(4-Azidobutyl)-2-[[2-(2,6-dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1*H*-isoindol-4-yl]oxy]acetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

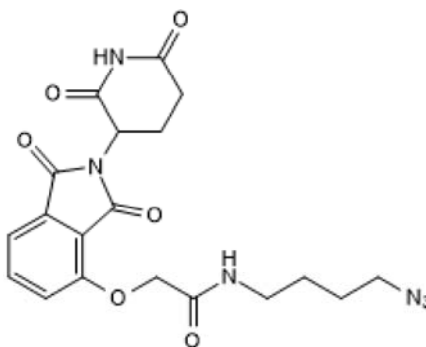
Batch Molecular Formula: C₁₉H₂₀N₆O₆

Batch Molecular Weight: 428.4

Physical Appearance: Off White solid

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.65 (DCM/Methanol, 9/1)

HPLC: Shows 98.8% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	53.27	4.71	19.62
Found	53.04	4.56	19.62

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

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CAS Number:	2098488-36-7			
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Description:

Thalidomide 4'-oxyacetamide-alkylC4-azide is a click-activated Thalidomide (Cat.No. 0652); precursor to PROTAC® that hijacks cereblon as the E3 ubiquitin ligase component. Supplied with an azide functional handle at a position known not to significantly affect binding to cereblon, for ready click conjugation to a linker/target protein ligand. This product has been recently renamed. The previous name for this product was Azido-Thalidomide Please contact us for SD files of our available Degradator 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:

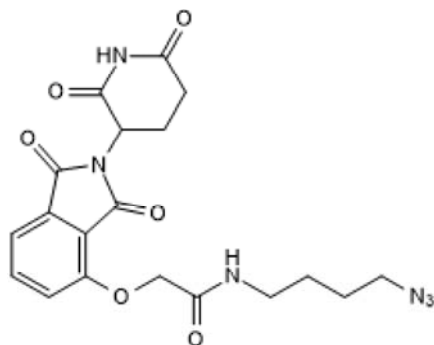
Batch Molecular Formula: C₁₉H₂₀N₆O₆

Batch Molecular Weight: 428.4

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Schiedel et al (2018) Chemically induced degradation of sirtuin 2 (Sirt2) by a proteolysis targeting chimera (PROTAC) based on sirtuin rearranging ligands (SirReals). *J.Med.Chem.* **61** 482. PMID: 28379698.

Storage: Store at -20°C

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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