

Product Name: Thalidomide - linker 3

Catalog No.: 6469

Batch No.: 1

CAS Number: 2245697-86-1

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₂₂N₄O₆.HCl.½H₂O

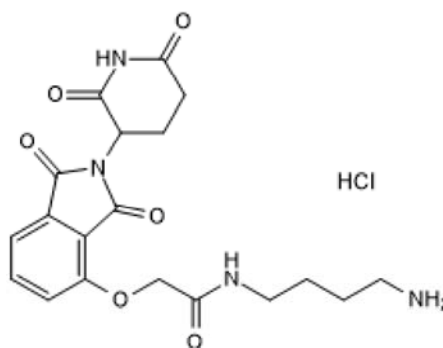
Batch Molecular Weight: 447.87

Physical Appearance: White solid

Solubility: water to 100 mM
DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.1% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	50.95	5.4	12.51
Found	50.77	5.34	12.18

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

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Description:

Functionalized cereblon ligand for PROTAC research and development; incorporates an E3 ligase ligand plus a short alkyl linker ready for conjugation to a target protein ligand. Part of a range of functionalized tool molecules for PROTAC R&D.

Physical and Chemical Properties:

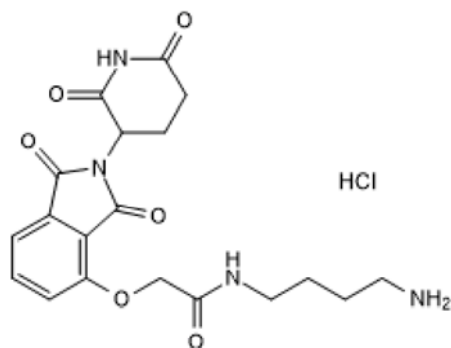
Batch Molecular Formula: C₁₉H₂₂N₄O₆.HCl.½H₂O

Batch Molecular Weight: 447.87

Physical Appearance: White solid

Minimum Purity: >95%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

water to 100 mM

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. 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:

Salami et al (2017) Waste disposal-An attractive strategy for cancer therapy. *Science* **355** 1163. PMID: 28302825.

Winter et al (2015) Drug development. Phthalimide conjugation as a strategy for *in vivo* target protein degradation. *Science* **348** 1376. PMID: 25999370.

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