

Product Name: Thalidomide 4'-ether-alkylC6-amine

Catalog No.: 6627

Batch No.: 3

CAS Number: 2245697-88-3

IUPAC Name: 4-[(6-Aminohexyl)oxy]-2-(2,6-dioxo-3-piperidiny)-1*H*-isoindole-1,3(2*H*)-dione hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

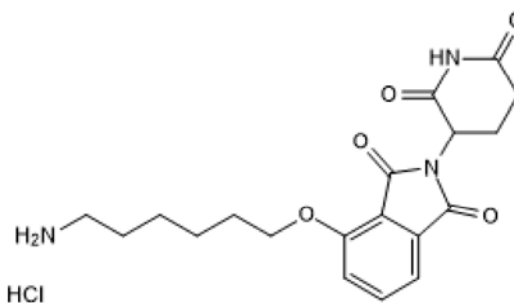
Batch Molecular Formula: C₁₉H₂₃N₃O₅.HCl.H₂O

Batch Molecular Weight: 427.88

Physical Appearance: White solid

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.4% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	53.33	6.12	9.82
Found	53.29	6.09	9.83

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

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Product Name: Thalidomide 4'-ether-alkylC6-amine

Catalog No.: 6627

Batch No.: 3

CAS Number: 2245697-88-3

IUPAC Name: 4-[(6-Aminoheptyl)oxy]-2-(2,6-dioxo-3-piperidinyl)-1*H*-isoindole-1,3(2*H*)-dione hydrochloride

Description:

Thalidomide 4'-ether-alkylC6-amine is a functionalized cereblon ligand for PROTAC® research and development; incorporates an E3 ligase ligand plus a C6 alkyl linker ready for conjugation to a target protein ligand. Part of a range of functionalized tool molecules for PROTACs R&D. This product has been recently renamed. The previous name for this product was Thalidomide - linker 4 PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

Physical and Chemical Properties:

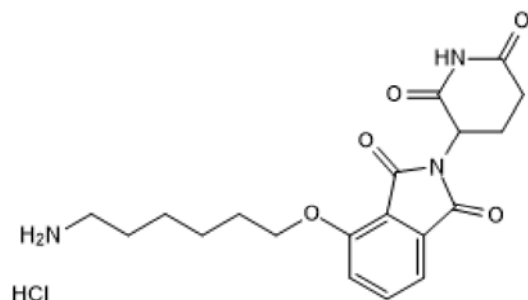
Batch Molecular Formula: C₁₉H₂₃N₃O₅.HCl.H₂O

Batch Molecular Weight: 427.88

Physical Appearance: White 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:

Nabet et al (2018) The dTAG system for immediate and target-specific protein degradation. *Nat.Chem.Biol.* **14** 431. PMID: 29581585.

Erb et al (2017) Transcription control by the ENL YEATS domain in acute leukaemia. *Nature.* **543** 270. PMID: 28241139.

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