

Certificate of Analysis

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Product Name: Thalidomide, propargyl

Catalog No.: 6685

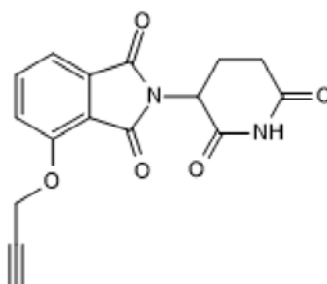
Batch No.: 2

CAS Number: 2098487-39-7

IUPAC Name: 2-(2,6-Dioxo-3-piperidiny)-4-(2-propyn-1-yloxy)-1*H*-isoindole-1,3(2*H*)-dione

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₁₂N₂O₅
Batch Molecular Weight: 312.28
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	61.54	3.87	8.97
Found	61.47	3.87	8.92

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

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Description:

Click-activated Thalidomide (Cat.No. 0652); can be used as a precursor to a PROTAC[®] that hijacks cereblon as the E3 ubiquitin ligase component. Supplied with an alkyne functional handle at a position known not to significantly affect binding to cereblon, for ready click conjugation to a linker/target protein ligand. PROTAC[®] is a registered trademark of Arvinas Operations, Inc., and is used under license. Require a different derivative? Get in touch.

Physical and Chemical Properties:

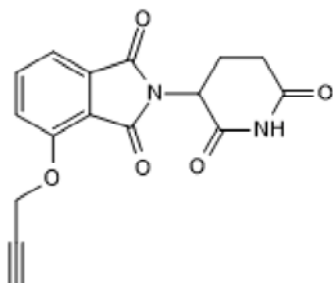
Batch Molecular Formula: C₁₆H₁₂N₂O₅

Batch Molecular Weight: 312.28

Physical Appearance: White solid

Minimum Purity: ≥95%

Batch Molecular Structure:



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.

References:

Wurz et al (2018) A "click chemistry platform" for the rapid synthesis of bispecific molecules for inducing protein degradation. *J. Med. Chem.* **61** 453. PMID: 28378579.

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