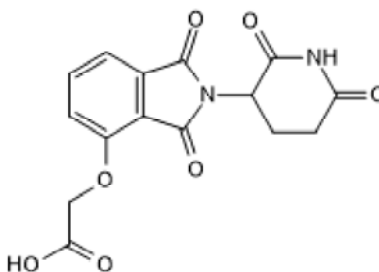


Certificate of Analysiswww.tocris.com**Product Name:** TC E3 5031**Catalog No.:** 6466**Batch No.:** 1

CAS Number: 1061605-21-7

IUPAC Name: 2-[[2-(2,6-Dioxo-3-piperidiny)-2,3-dihydro-1,3-dioxo-1*H*-isoindol-4-yl]oxy]acetic acid**1. PHYSICAL AND CHEMICAL PROPERTIES**

Batch Molecular Formula:	C ₁₅ H ₁₂ N ₂ O ₇
Batch Molecular Weight:	332.26
Physical Appearance:	Off White solid
Solubility:	DMSO to 100 mM
Storage:	Store at RT
Batch Molecular Structure:	

**2. ANALYTICAL DATA**

HPLC:	Shows 99.5% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure

Microanalysis:	Carbon Hydrogen Nitrogen		
Theoretical	54.22	3.64	8.43
Found	54.32	3.58	8.27

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

Product Name: TC E3 5031

Catalog No.: 6466

Batch No.: 1

CAS Number: 1061605-21-7

IUPAC Name: 2-[[2-(2,6-Dioxo-3-piperidiny)-2,3-dihydro-1,3-dioxo-1*H*-isoindol-4-yl]oxy]acetic acid

Description:

Derivative of Thalidomide (Cat.No. 0652), commonly used as a precursor to PROTAC[®] that hijacks cereblon as the E3 ubiquitin ligase component. Supplied with a carboxylic acid functional handle at a position known not to significantly affect binding to cereblon, for ready 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:

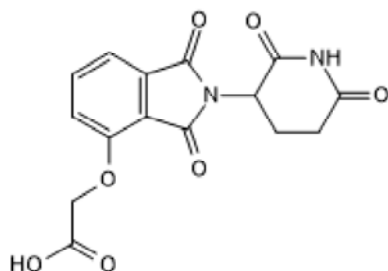
Batch Molecular Formula: C₁₅H₁₂N₂O₇

Batch Molecular Weight: 332.26

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Lohbeck and Miller (2016) Practical synthesis of a phthalimide-based cereblon ligand to enable PROTAC development. *Bioorg.Med.Chem.Lett.* **26** 5260. PMID: 27687673.

Storage: Store at RT

Solubility & Usage Info:

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.

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956