

Product Name: Photo-lenalidomide-acid

Catalog No.: 7328

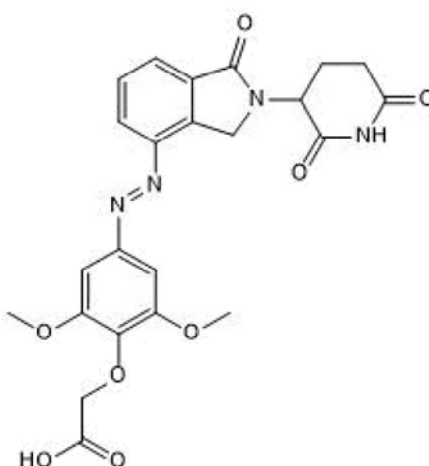
Batch No.: 2

CAS Number: 2363154-39-4

IUPAC Name: (E)-2-(4-((2-(2,6-Dioxopiperidin-3-yl)-1-oxoisindolin-4-yl)diazenyl)-2,6-dimethoxyphenoxy)acetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₂₂N₄O₈
Batch Molecular Weight: 482.45
Physical Appearance: Orange solid
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 97.6% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	57.26	4.6	11.61
Found	56.9	4.63	11.54

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

Product Name: Photo-lenalidomide-acid

Catalog No.: 7328

Batch No.: 2

CAS Number: 2363154-39-4

IUPAC Name: (E)-2-(4-((2-(2,6-Dioxopiperidin-3-yl)-1-oxoisindolin-4-yl)diazenyl)-2,6-dimethoxyphenoxy)acetic acid

Description:

Photo-lenalidomide-acid is a functionalized cereblon ligand containing a dimethoxy azo-benzene photoswitch; for use as a precursor to photoswitchable Degraders (PHOTACs). Photo-lenalidomide-acid is supplied with a carboxylic acid functional handle for ready conjugation to a linker/target protein ligand. Part of a range of functionalized tool molecules for Degrader R&D.

Physical and Chemical Properties:

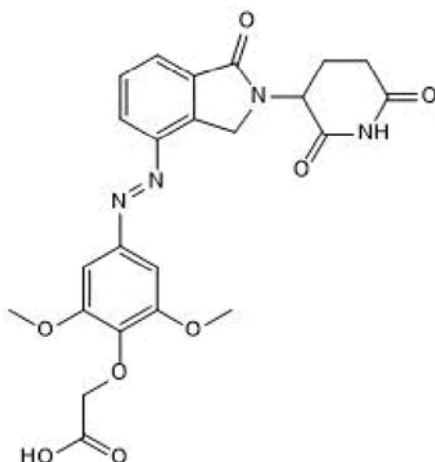
Batch Molecular Formula: C₂₃H₂₂N₄O₈

Batch Molecular Weight: 482.45

Physical Appearance: Orange solid

Minimum Purity: ≥95%

Batch Molecular Structure:



Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

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:

Reynders *et al* (2020) PHOTACs enable optical control of protein degradation. *Sci.Adv.* **6** eaay5064. PMID: 32128406.

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