

Product Name: Phenyl-glutarimide 4'-oxyacetic acid

Catalog No.: 7670

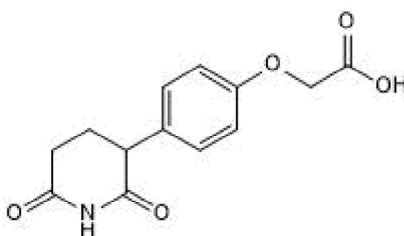
Batch No.: 4

CAS Number: 2782024-58-0

IUPAC Name: 2-(4-(2,6-Dioxopiperidin-3-yl)phenoxy)acetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₃H₁₃NO₅.
Batch Molecular Weight: 263.25
Physical Appearance: White solid
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.0% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	59.31	4.98	5.32
Found	58.81	4.93	5.23

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

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IUPAC Name: 2-(4-(2,6-Dioxopiperidin-3-yl)phenoxy)acetic acid

Description:

Phenyl-glutarimide 4'-oxyacetic acid is a carboxylic acid-functionalized cereblon ligand that can be used for PROTAC[®] Degradation development. The compound can be used to develop PG-PROTACs that exhibit improved stability to hydrolysis and potency compared with PROTACs synthesized using IMiD (immunomodulatory imide drug) analogs. Please contact us for SD files of our available Degradation Building Blocks. PROTAC[®] is a registered trademark of Arvinas Operations, Inc., and is used under license. Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

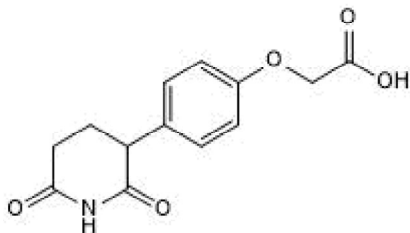
Batch Molecular Formula: C₁₃H₁₃NO₅.

Batch Molecular Weight: 263.25

Physical Appearance: White solid

Minimum Purity: ≥95%

Batch Molecular Structure:



References:

Min *et al* (2021) Phenyl-glutarimides: alternative cereblon binders for the design of PROTACs. *Angew.Chem.Int.Ed.* **60** 26663. PMID: 34614283.

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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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.

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