

Certificate of Analysis

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Product Name: PD 4'-oxyacetic acid

Catalog No.: 7858

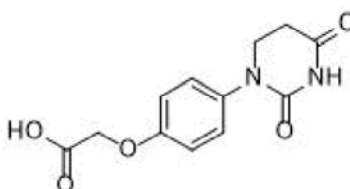
Batch No.: 1

CAS Number: 2633633-12-0

IUPAC Name: 2-[4-(Tetrahydro-2,4-dioxo-1(2H)-pyrimidinyl)phenoxy]acetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₂H₁₂N₂O₅
Batch Molecular Weight: 264.24
Physical Appearance: White solid
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 96.7% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

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

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IUPAC Name: 2-[4-(Tetrahydro-2,4-dioxo-1(2H)-pyrimidinyl)phenoxy]acetic acid

Description:

PD 4'-oxyacetic is a carboxylic acid-functionalized cereblon ligand that can be used for PROTAC® Degradation development. The compound can be used to develop PD-PROTACs that exhibit improved stability 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:

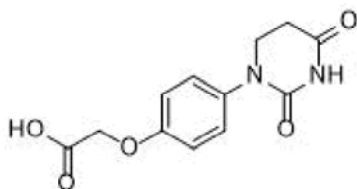
Batch Molecular Formula: C₁₂H₁₂N₂O₅

Batch Molecular Weight: 264.24

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:

Jarusiewicz *et al* (2023) Phenyl dihydrouracil: an alternative cereblon binder for PROTAC design. ACS Med.Chem.Lett..

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