

**Product Name:** PAG 4'-piperazine

**Catalog No.:** 7998

**Batch No.:** 1

CAS Number: 2922286-32-4

IUPAC Name: 3-[[4-(1-Piperazinyl)phenyl]amino]-2,6-piperidinedione dihydrochloride

## 1. PHYSICAL AND CHEMICAL PROPERTIES

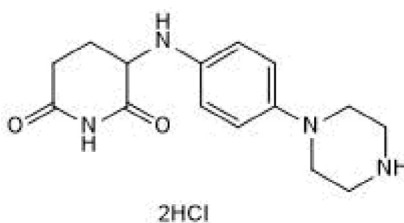
**Batch Molecular Formula:** C<sub>15</sub>H<sub>20</sub>N<sub>4</sub>O<sub>2</sub>·2HCl.

**Batch Molecular Weight:** 361.27

**Physical Appearance:** Black solid

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 97.3% purity

**<sup>1</sup>H 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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**Description:**

PAG (phenyl amino glutarimide) 4'-piperazine is a functionalized cereblon ligand for PROTAC<sup>®</sup> research and development; incorporates an E3 ligase ligand with a terminal piperazine for onward chemistry to generate Protein Degraders with rigid linkers. Part of a range of functionalized tool molecules for PROTAC R&D. Please contact us for SD files of our available Degradar Building Blocks. PROTAC<sup>®</sup> 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:**

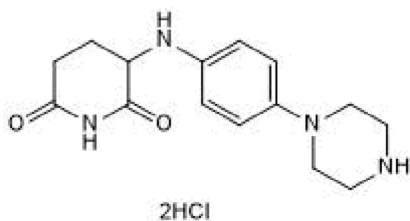
Batch Molecular Formula: C<sub>15</sub>H<sub>20</sub>N<sub>4</sub>O<sub>2</sub>·2HCl.

Batch Molecular Weight: 361.27

Physical Appearance: Black 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. \*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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