

Product Name: Lenalidomide 5'-piperazine-7'-methoxy

Catalog No.: 8848

Batch No.: 1

CAS Number: 2242743-87-7

IUPAC Name: 3-(7-Methoxy-1-oxo-5-(piperazin-1-yl)isoindolin-2-yl)piperidine-2,6-dione hydrochloride

## 1. PHYSICAL AND CHEMICAL PROPERTIES

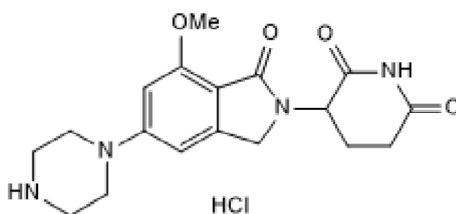
Batch Molecular Formula: C<sub>18</sub>H<sub>22</sub>N<sub>4</sub>O<sub>4</sub>.HCl

Batch Molecular Weight: 394.86

Physical Appearance: Yellow solid

Storage: Store at -20°C

Batch Molecular Structure:



## 2. ANALYTICAL DATA

HPLC: Shows 97.6% 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:**

Lenalidomide 5'-piperazine-7'-methoxy is a functionalized cereblon ligand for PROTAC® 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® 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:**

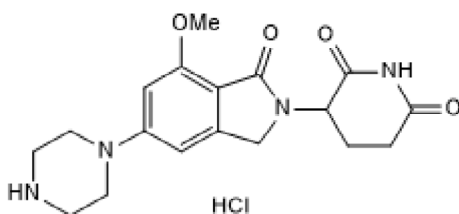
Batch Molecular Formula: C<sub>18</sub>H<sub>22</sub>N<sub>4</sub>O<sub>4</sub>.HCl

Batch Molecular Weight: 394.86

Physical Appearance: Yellow 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.

**References:**

**Bagal et al** (2024) Discovery of a series of orally bioavailable androgen receptor degraders for the treatment of prostate cancer. *J.Med.Chem.* **67** 11732. PMID: 38991141.

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