

## Certificate of Analysis

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**Product Name:** Lenalidomide 5'-amine

**Catalog No.:** 7677

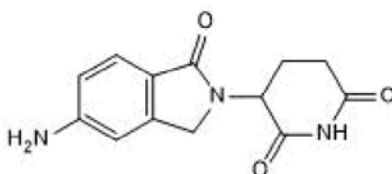
**Batch No.:** 1

CAS Number: 191732-70-4

IUPAC Name: 3-(5-Amino-1,3-dihydro-1-oxo-2*H*-isoindol-2-yl)-2,6-piperidinedione

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>13</sub>H<sub>13</sub>N<sub>3</sub>O<sub>3</sub>  
**Batch Molecular Weight:** 259.27  
**Physical Appearance:** Pale yellow solid  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**HPLC:** Shows 97.9% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	60.23	5.05	16.21
Found	59.29	5.05	15.85

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

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**Description:**

Lenalidomide 5'-amine is a functionalized cereblon ligand for PROTAC® research and development; incorporates an E3 ligase ligand with a terminal amine 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:**

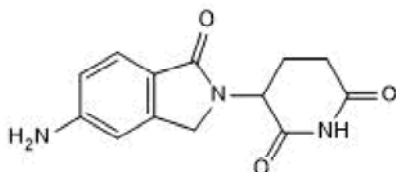
Batch Molecular Formula: C<sub>13</sub>H<sub>13</sub>N<sub>3</sub>O<sub>3</sub>

Batch Molecular Weight: 259.27

Physical Appearance: Pale yellow solid

**Minimum Purity:** ≥95%

**Batch Molecular Structure:**



**References:**

**Muller** (1999) Amino-substituted thalidomide analogs: potent inhibitors of TNF-alpha production. *Bioorg.Med.Chem.Lett.* **9** 1625. PMID: 10386948.

**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.

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