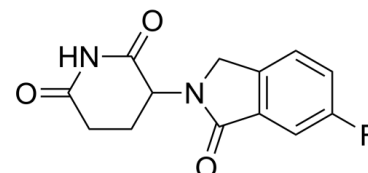


## Data Sheet

<b>Product Name:</b>	Lenalidomide-6-F
<b>Cat. No.:</b>	CS-0173160
<b>CAS No.:</b>	2468780-87-0
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>11</sub> FN <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	262.24
<b>Target:</b>	Ligands for E3 Ligase
<b>Pathway:</b>	PROTAC
<b>Solubility:</b>	10 mM in DMSO



### BIOLOGICAL ACTIVITY:

Lenalidomide-6-F is the Lenalidomide-based cereblon (CRBN) ligand used in the recruitment of CRBN protein. Lenalidomide-6-F can be connected to the ligand for protein by a linker to form PROTAC<sup>[1]</sup>. *In Vitro*: PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins<sup>[2]</sup>.

### References:

- [1]. Scheepstra M, et al. Bivalent Ligands for Protein Degradation in Drug Discovery. *Comput Struct Biotechnol J*. 2019;17:160-176. Published 2019 Jan 25.
- [2]. Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. *Cell Chem Biol*. 2020;27(8):998-985.

### CAIndexNames:

2,6-Piperidinedione, 3-(6-fluoro-1,3-dihydro-1-oxo-2H-indol-2-yl)-

### SMILES:

O=C(C(N(CC1=C2C=C(F)C=C1)C2=O)CC3)NC3=O

**Caution: Product has not been fully validated for medical applications. For research use only.**

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