

Product Datasheet

Lenalidomide-C5-NH2

Catalog No. **BP-01477** · CAS **2093388-45-3** · Form **free base** · Physical state **solid** · Color **Light yellow to yellow** · Version **1.0**
· Revision **2026-09-04**

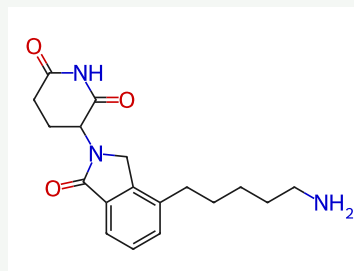
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Target E3 Ligase Ligand-Linker Conjugates	Research area Others; Cancer
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Molecular formula **C₁₈H₂₃N₃O₃**

Molecular weight **329.3935**

STRUCTURE



DESCRIPTION

Lenalidomide-C5-NH2 is an E3 ligase ligand-linker conjugate. Lenalidomide-C5-NH2 can be coupled to a target protein ligand via a linker to form a PROTAC molecule—such as a PROTAC degrader for MDM2 .

BIOLOGICAL ACTIVITY

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.

SOLUBILITY

soluble in DMSO/H2O

REFERENCES

- [1]. Zhou B, et al. Discovery of a Small-Molecule Degradator of Bromodomain and Extra-Terminal (BET) Proteins with Picomolar Cellular Potencies and Capable of Achieving Tumor Regression. J Med Chem. 2018 Jan 25;61(2):462-481.
- [2]. Yangbing Li, et al. Discovery of MD-224 as a First-in-Class, Highly Potent, and Efficacious Proteolysis Targeting Chimera Murine Double Minute 2 Degradator Capable of Achieving Complete and Durable Tumor Regression. J Med Chem. 2019 Jan 24;62(2):448-466.

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