Product Datasheet

PROTAC Mcl1 degrader-1

Catalog No. **BP-02378** · CAS **2163793-38-0** · Form **free base** · Physical state **other** · Color **White to off-white** · Version **1.0** · Revision **2026-09-11**

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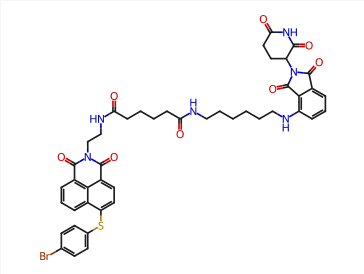
Target	Research area
γ-secretase	**Neurological Disease**

Molecular formula	**$C_{45}H_{45}BrN_6O_8S$**
Molecular weight	**909.8430**

STRUCTURE



DESCRIPTION

PROTAC Mcl1 degrader-1 (compound C3), a proteolysis targeting chimera (PROTAC) based on Cereblon ligand, is a potently and selectively Mcl-1 (Bcl-2 family member) inhibitor with an IC50 of 0.78 μM. PROTAC Mcl1 degrader-1 inhibits Bcl-2 with an IC50 of 0.54 μM .

BIOLOGICAL ACTIVITY

In Vitro

PROTAC Mcl1 degrader-1 (compound C3) induces the ubiquitination and proteasomal degradation of Mcl-1 by introducing the E3 ligase cereblon (CRBN)-binding ligand Pomalidomide (HY-10984) to Mcl-1 inhibitor S1-6 with μM-range affinity.

PROTAC Mcl1 degrader-1 (0-10 μM; 0-24 h) induces selective depletion of Mcl-1 or Bcl-2 protein in HeLa cells in a time- and concentration-dependent manner.

PROTAC Mcl1 degrader-1 (0-2 μM; 24 h) shows cytotoxicity against H23 cells

SOLUBILITY

Soluble in DMSO

In vitro	DMSO : 50 mg/mL

REFERENCES

[1]. Wang Z, et al. Proteolysis Targeting Chimeras for the Selective Degradation of Mcl-1/Bcl-2 Derived from Nonselective Target Binding Ligands. J Med Chem. 2019 Aug 21.