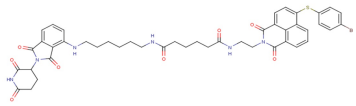
Data Sheet (Cat.No.T11975)

PROTAC Mcl1 degrader-1

Chemical Properties



CAS No.:	2163793-38-0
Formula:	C45H45BrN6O8S
Molecular Weight:	909.84
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	PROTAC Mcl1 degrader-1 induces the ubiquitination and proteasomal degradation of Mcl-1 by introducing the E3 ligase cereblon (CRBN)-binding ligand pomalidomide to Mcl-1 inhibitor S1-6 with μM-range affinity. PROTAC Mcl1 degrader-1, a proteolysis targeting chimera (PROTAC), is a potently and selectively Mcl-1 inhibitor with an IC50 of 0.78 μM.
Targets(IC_{50})	Mcl-1: 0.78 μM

Solubility Information

Solubility	DMSO: 50 mg/mL (54.95 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.099 mL	5.495 mL	10.991 mL
5 mM	0.22 mL	1.099 mL	2.198 mL
10 mM	0.11 mL	0.55 mL	1.099 mL
50 mM	0.022 mL	0.11 mL	0.22 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

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.

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