PROTAC Bcl-xL ligand-1

Cat. No.: HY-139304

Molecular Formula: $C_{32}H_{29}IN_4O_4S_2$

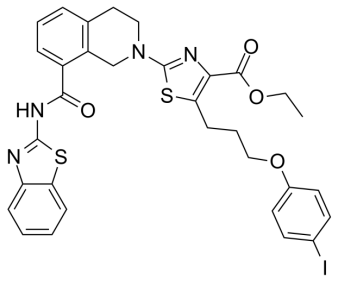
Molecular Weight: 724.63

Target: Ligands for Target Protein for PROTAC; Bcl-2 Family

Pathway: PROTAC; Apoptosis

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (2.87 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: 2.08 mg/mL (2.87 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

PROTAC Bcl-xL ligand-1 is a ligand for Bcl-xL that can be used in the synthesis of PROTACs[1].

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[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Chun-Wa Chung, et al. Structural Insights into PROTAC-Mediated Degradation of Bcl-xL. ACS Chem Biol. 2020 Sep 18;15(9):2316-2323.

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