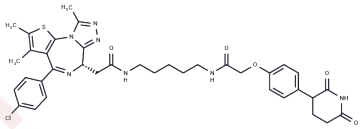
Data Sheet (Cat.No.T77933)

SJ995973

Chemical Properties



CAS No. : 2882065-25-8

Formula: C37H40ClN7O5S

Molecular Weight: 730.28

Storage: Store under nitrogen
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	SJ995973 is a highly potent bromodomain and extraterminal (BET) protein degrader and a BET PROTAC with potential anticancer activity.
Targets(IC50)	PROTACs
In vitro	SJ995973 was a uniquely potent degrader of bromodomain and extra-terminal (BET) proteins. SJ995973 inhibited the viability of human acute myeloid leukemia MV4-11 cells at low picomolar concentrations, IC50 = 3 pM, BRD4 DC50 = 0.87 nM. [1]

Solubility Information

Solubility	DMSO: 80 mg/mL (109.55 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (4.52 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3693 mL	6.8467 mL	13.6934 mL
5 mM	0.2739 mL	1.3693 mL	2.7387 mL
10 mM	0.1369 mL	0.6847 mL	1.3693 mL
50 mM	0.0274 mL	0.1369 mL	0.2739 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Min J, et al. Phenyl-Glutarimides: Alternative Cereblon Binders for the Design of PROTACs. Angew Chem Int Ed Engl. 2021 Dec 13;60(51):26663-26670.