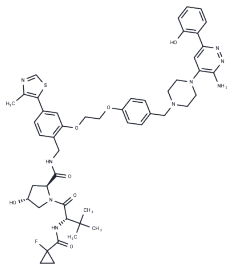
Data Sheet (Cat.No.T17350)

TargetMol

ACBI1

Chemical Properties



CAS No. : 2375564-55-7

Formula: C49H58FN9O7S

Molecular Weight: 936.1

Storage: 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	ACBI1 is a potent PROTAC degrader of BAF ATPase subunits SMARCA2 and SMARCA4, also degrades the polybromo-associated BAF (PBAF) complex member PBRM1, with DC50s of 6 nM, 11 nM and 32 nM for SMARCA2, SMARCA4 and PBRM1 in MV-4-11 cells, respectively. ACBI1 is composed of a bromodomain ligand, a linker, and the E3 ubiquitin ligase VHL. ACBI1 can induce anti-proliferative effects and apoptosis.
Targets(IC50)	Apoptosis,Epigenetic Reader Domain,PROTACs

Solubility Information

Solubility	DMSO: 100 mg/mL (106.83 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: 4 mg/mL (4.27 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	1.0683 mL	5.3413 mL	10.6826 mL
5 mM	0.2137 mL	1.0683 mL	2.1365 mL
10 mM	0.1068 mL	0.5341 mL	1.0683 mL
50 mM	0.0214 mL	0.1068 mL	0.2137 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

Farnaby W, et al. BAF complex vulnerabilities in cancer demonstrated via structure-based PROTAC design. Nat Chem Biol. 2019 Jul;15(7):672-680.