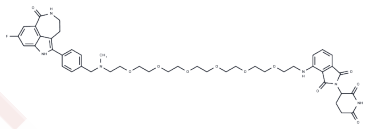
Data Sheet (Cat.No.T13737)

TargetMol

iRucaparib-AP6

Chemical Properties



CAS No. : 2410557-00-3

Formula: C46H55FN6O11

Molecular Weight: 886.96

Storage: Keep away from direct sunlight
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	iRucaparib-AP6, a non-trapping PARP1 degrader, blocks both the catalytic activity and scaffolding effects of PARP1. iRucaparib-AP6 is a highly efficient and specific PARP1 degrader based on Rucaparib by using the PROTAC approach.
Targets(IC50)	PARP,PROTACs
In vitro	iRucaparib-AP6 (0-10 μM; 24 hours) decreases PARP-1 levels in a dose-dependent manner, with a half-maximal degrading concentration (DC50) of 82 nM (Dmax = 92%).

Solubility Information

Solubility	DMSO: 50 mg/mL (56.37 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: 2.5 mg/mL (2.82 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	1.1274 mL	5.6372 mL	11.2745 mL
5 mM	0.2255 mL	1.1274 mL	2.2549 mL
10 mM	0.1127 mL	0.5637 mL	1.1274 mL
50 mM	0.0225 mL	0.1127 mL	0.2255 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

Wang S, et al. Uncoupling of PARP1 trapping and inhibition using selective PARP1 degradation.Nat Chem Biol. 2019 Dec;15(12):1223-1231.