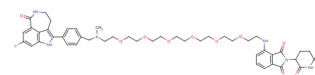


iRucaparib-AP6

Chemical Properties

CAS No.:	2410557-00-3
Formula:	C ₄₆ H ₅₅ FN ₆ O ₁₁
Molecular Weight:	886.96
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



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(IC ₅₀)	Others: None
In vitro	iRucaparib-AP6 (0-10 μ M; 24 hours) decreases PARP-1 level in a dose dependent manner, exhibits a half-maximal degrading concentration (DC ₅₀) of 82 nM (D _{max} = 92%).

Solubility Information

Solubility	DMSO: 50 mg/mL (56.37 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.127 mL	5.637 mL	11.274 mL
5 mM	0.225 mL	1.127 mL	2.255 mL
10 mM	0.113 mL	0.564 mL	1.127 mL
50 mM	0.023 mL	0.113 mL	0.225 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 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481