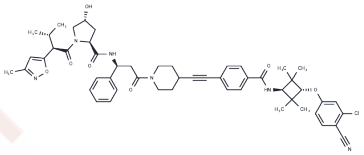
Data Sheet (Cat.No.T13552)

TargetMol

ARD-266

Chemical Properties



CAS No. : 2666951-70-6

Formula: C52H59ClN6O7

Molecular Weight: 915.51

Storage: Keep away from moisture
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	ARD-266 is a PROTAC degrader based on the von Hippel-Lindau E3 ligase, inducing the degradation of AR proteins, and can be used in prostate cancer research.
Targets(IC50)	Androgen Receptor,PROTACs
In vitro	ARD-266 (100 nM; 1-24 hours; LNCaP and VCaP cells) treatment effectively reduces the AR protein level within 3 h and achieves near-complete AR elimination with a 6 h treatment in the LNCaP cells. ARD-266 (1-10000 nM; 24 hours; LNCaP cells) treatment effectively suppresses the expression of PSA, TMPRSS2, and FKBP5 genes in a dose-dependent manner and is capable of reducing the mRNA levels of PSA, TMPRSS2, and FKBP5 genes by >50% at 10 nM in the LNCaP cell line.[1]

Solubility Information

Solubility	DMSO: 80 mg/mL (87.38 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 5 mg/mL (5.46 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	1.0923 mL	5.4614 mL	10.9229 mL
5 mM	0.2185 mL	1.0923 mL	2.1846 mL
10 mM	0.1092 mL	0.5461 mL	1.0923 mL
50 mM	0.0218 mL	0.1092 mL	0.2185 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

Han X, et al. Discovery of Highly Potent and Efficient PROTAC Degraders of Androgen Receptor (AR) by Employing Weak Binding Affinity VHL E3 Ligase Ligands. J Med Chem. 2019 Dec 26;62(24):11218-11231.