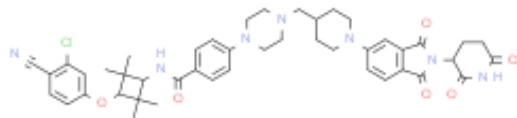


## Product Data Sheet

Cas No.:	2222111-87-5	Cat. No:	PL03287
Product Name:	ARD-2128		
Product synonym:	-		
Chemical name:	ARD-2128		
MF:	C45H50CLN7O6	FW:	820.374809741974
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	ClC1=C(C#N)C=CC(=C1)OC1C(C)(C)C(C1(C)C)NC(C1C=CC(=CC=1)N1CCN(CC1)CC1CCN(C2C=CC3C(N(C4C(NC(CC4)=O)=O)C(C=3C=2)=O)=O)CC1)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

## Product Description

ARD-2128 是一种高效的 PROTAC 雄激素受体 (AR) 降解剂。ARD-2128 可有效降低 AR 蛋白并抑制肿瘤组织中 AR 调节的基因，在没有毒性迹象的情况下抑制肿瘤生长。ARD-2128 作用在前列腺癌的研究上。

生物活性	ARD-2128 is a highly potent, orally bioavailable PROTAC androgen receptor (AR) degrader. ARD-2128 effectively reduces AR protein, suppresses AR-regulated genes in tumor tissues, and inhibits growth of tumor without signs of toxicity. ARD-2128 has the potential for the research of the prostate cancer.
IC50 & Target[1][2]	IC50: 4 nM (VCaP), 5 μM (LNCaP)
体外研究(In Vitro)	ARD-2128 is highly potent and effective in the inhibition of cell growth in the VCaP cell line and LNCaP cell line with the IC50 values of 4 nM and 5 nM, respectively. ARD-2128 (1, 10, 100, and 1000 nM; 24 hours) effectively reduces the AR protein level by >50% at 1 nM and achieves the AR degradation of >90% at 10, 100, and 1000 nM, respectively, in VCaP cell. has not independently confirmed the accuracy of these methods. They are for reference only.

体内研究(In Vivo)	ARD-2128 (20 mg/kg; p.o.; once) is effective in reducing the level of AR protein in mice after 24 hours. ARD-2128 (10-40 mg/kg; p.o.; daily for 21 days) shows antitumor activity in the VCaP xenograft model in mice. ARD-2128 (5mg/kg; p.o.) treatment shows the C max , AUC 0-t and t 1/2 values of 1304 ng/mL, 22361 ng h/mL and 18.8 hours, respectively. has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	-20°C, sealed storage, away from moisture and light In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)
溶解度数据	In Vitro: DMSO : 100 mg/mL (121.90 mM; Need ultrasonic)配制储备液