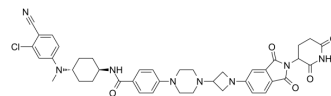


## ARD-2585

<b>Cat. No.:</b>	HY-139436
<b>CAS No.:</b>	2757422-79-8
<b>Molecular Formula:</b>	C <sub>41</sub> H <sub>43</sub> ClN <sub>8</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	763.28
<b>Target:</b>	Androgen Receptor; PROTACs
<b>Pathway:</b>	Vitamin D Related/Nuclear Receptor; PROTAC
<b>Storage:</b>	-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)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 85 mg/mL (111.36 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	<b>Preparing Stock Solutions</b>		1 mg	5 mg	10 mg
		1 mM	1.3101 mL	6.5507 mL	13.1014 mL
		5 mM	0.2620 mL	1.3101 mL	2.6203 mL
	10 mM	0.1310 mL	0.6551 mL	1.3101 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 4.25 mg/mL (5.57 mM); Suspended solution; Need ultrasonic  2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 4.25 mg/mL (5.57 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	ARD-2585 is an exceptionally potent and orally active PROTAC degrader of androgen receptor <sup>[1]</sup> .
<b>In Vitro</b>	ARD-2585 achieves DC <sub>50</sub> values of 0.04-0.1 nM in the VCaP cell line with AR gene amplification and in the LNCaP cell line carrying an AR mutation <sup>[1]</sup> . ARD-2585 (100 nM) is effective in reducing the AR protein level at the 3 and 24 h time-points by 78% (p < 0.01) and 60% at the 6 h time-point (p > 0.05) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA