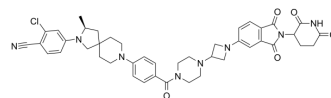


ARD-2051

Cat. No.:	HY-149862
CAS No.:	2632305-17-8
Molecular Formula:	C ₄₃ H ₄₅ ClN ₈ O ₅
Molecular Weight:	789.32
Target:	PROTACs; Androgen Receptor
Pathway:	PROTAC; Vitamin D Related/Nuclear Receptor
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (31.67 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.2669 mL	6.3346 mL	12.6691 mL	
5 mM	0.2534 mL	1.2669 mL	2.5338 mL	
10 mM	0.1267 mL	0.6335 mL	1.2669 mL	

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

ARD-2051 is a potent and orally active androgen receptor (AR) proteolysis-targeting chimera degrader. ARD-2051 achieves DC₅₀ values of 0.6 nM for AR protein degradation in both the LNCaP and VCaP prostate cancer cell lines. ARD-2051 can be used for the research of prostate cancer^[1].

IC₅₀ & Target

DC₅₀: 0.6 nM (AR protein degradation)^[1]

REFERENCES

[1]. Han X, et al. Discovery of ARD-2051 as a Potent and Orally Efficacious Proteolysis Targeting Chimera (PROTAC) Degradator of Androgen Receptor for the Treatment of Advanced Prostate Cancer. *J Med Chem.* 2023 Jul 13;66(13):8822-8843.

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

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