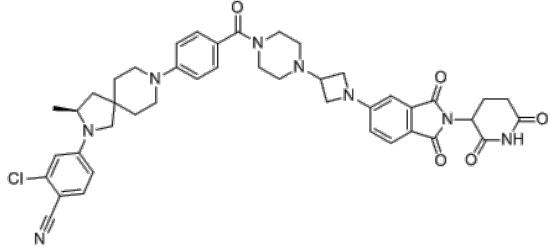

Product Name	:	ARD-2051
Cat. No.	:	PC-21161
CAS No.	:	2632305-17-8
Molecular Formula	:	C ₄₃ H ₄₅ CIN ₈ O ₅
Molecular Weight	:	789.33
Target	:	PROTAC
Solubility	:	10 mM in DMSO



CAS: 2632305-17-8

Biological Activity

ARD-2051 (ARD-2051) is a potent and orally efficacious **androgen receptor** (AR) proteolysis-targeting chimera (**PROTAC**) degrader with DC50 of 0.6 nM in AR+ VCaP and LNCaP cell lines.

ARD-2051 shows Dmax >90% in inducing AR protein degradation in both the LNCaP and VCaP prostate cancer cell lines, potently and effectively suppresses AR-regulated genes, and inhibits cancer cell growth (VCaP and LNCaP, IC50=10 and 13 nM, respectively).

ARD-2051 (12.5 mg/kg) strongly reduces AR protein and suppresses AR-regulated gene expression in the VCaP xenograft tumor tissue in mice.

ARD-2051 (3.75, 7.5, 15, and 30 mg/kg) effectively inhibited tumor growth in the VCaP xenograft tumor model in SCID mice.

References

Xin Han, et al. *J Med Chem.* 2023 Jul 13;66(13):8822-8843.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com
