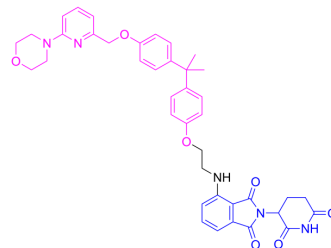


PROTAC AR Degradar-8

Cat. No.:	HY-170329
CAS No.:	3044108-04-2
Molecular Formula:	C ₄₀ H ₄₁ N ₅ O ₇
Molecular Weight:	703.78
Target:	PROTACs; Androgen Receptor; Apoptosis
Pathway:	PROTAC; Vitamin D Related/Nuclear Receptor; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

PROTAC AR Degradar-8 (Compound NP18) is the PROTAC degrader for androgen receptor (AR), that degrades AR-FL with DC₅₀ of 0.018 μM and 0.14 μM in 22Rv1 cell and LNCaP cell, degrades AR-V7 with DC₅₀ of 0.026 μM in 22Rv1 cell. PROTAC AR Degradar-8 inhibits the proliferation of cancer cell 22Rv1 and LNCaP with IC₅₀ of 0.038 μM and 1.11 μM. PROTAC AR Degradar-8 arrests cell cycle at G2/M phase, induces apoptosis in 22Rv1 cell. PROTAC AR Degradar-8 exhibits anticancer efficacy in mouse and zebrafish model^[1]. (Pink: ligand for target protein AR ligand-33 (HY-170330); Black: linker (HY-W007731); Blue: ligand for E3 ligase Cereblon (HY-14658))

REFERENCES

[1]. Ha S, et al., Discovery of a highly potent, N-terminal domain-targeting degrader of AR-FL/AR-V7 for the treatment of prostate cancer. *Eur J Med Chem.* 2025 Jan 15;282:117079.

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

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