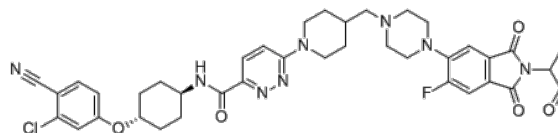


Product Name : Bavdegalutamide
Cat. No. : PC-38047
CAS No. : 2222112-77-6
Molecular Formula : C₄₁H₄₃ClFN₉O₆
Molecular Weight : 812.3
Target : PROTAC
Solubility : 10 mM in DMSO



Biological Activity

Bavdegalutamide (ARV-110) is an orally bioavailable, specific **androgen receptor (AR)** PROTAC degrader that leads to ubiquitination and degradation of AR with DC50 of <1 nM.

At the dose of 0.01 nM-300 nM, ARV-110 leads to AR degradation in LNCaP cells in a dose-dependent manner.

In VCaP cells, ARV-110 leads to AR degradation in a time-dependent manner.

ARV-110 suppresses the expression of the AR-target gene PSA. ARV-110 inhibits AR-dependent cell proliferation and induces apoptosis at low nanomolar concentrations.

ARV-110 degrades clinically relevant mutant AR proteins (WT AR, F876L, T877A, M896V, and H874V). retains activity even in a high androgen environment (R1881, 100 nM) in VCaP cells.

ARV-110 exhibits a greater than 90% AR degradation in LNCaP, VCaP, and prostate cancer PDX models.

ARV-110 exhibits significant inhibition of tumor growth and AR signaling in vivo.

References

Cancer Discov. 2020 Aug;10(8):1084.

Qi SM, et al. *Front Pharmacol.* 2021 May 7;12:692574.

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

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