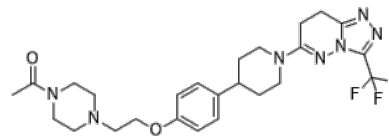


Product Name : AZD3514
Cat. No. : PC-25059
CAS No. : 1240299-33-5
Molecular Formula : C₂₅H₃₂F₃N₇O₂
Molecular Weight : 519.57
Target : Androgen Receptor (AR)
Solubility : 10 mM in DMSO



CAS: 1240299-33-5

Biological Activity

AZD3514 is an orally bioavailable small-molecule androgen receptor downregulator with pIC₅₀ of 5.75, inhibits androgen-dependent and -independent AR signaling.

AZD3514 modulates AR signaling through two distinct mechanisms, an inhibition of ligand-driven nuclear translocation of AR and a downregulation of receptor levels, both of which were observed in vitro and in vivo.

AZD3514 inhibited testosterone-driven seminal vesicle development in juvenile male rats and the growth of androgen-dependent Dunning R3327H prostate tumors in adult rats.

AZD3514 showed antitumor activity in the HID28 mouse model of CRPC in vivo.

References

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Loddick SA, et al. Mol Cancer Ther. 2013 Sep;12(9):1715-27.

Bradbury RH, et al. Bioorg Med Chem Lett. 2013 Apr 1;23(7):1945-8.

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

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