

AZD3514

Catalog No: tcsc1443



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1240299-33-5

Formula:

$C_{25}H_{32}F_3N_7O_2$

Pathway:

Others

Target:

Androgen Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

519.56

Product Description

AZD3514 is a potent and oral androgen receptor downregulator with K_i of 2.2 μ M and has ability of reducing AR protein expression.

IC50 Value: 2.2 μ M (Ki)

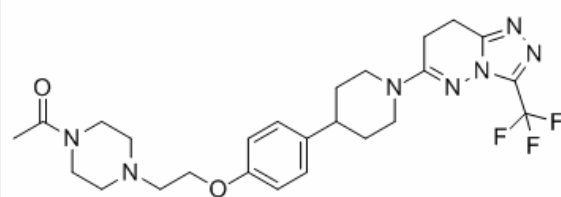
Target: androgen receptor

AZD3514 binds to the AR ligand binding domain and has selectivity for binding to AR over other nuclear hormone receptors [1].

in vitro: AZD3514 inhibits cell growth in prostate cancer cells expressing wild-type (VCaP) and mutated (T877A) AR (LNCaP), but is inactive in AR-negative prostate cancer cells, indicating a dependency on AR for efficacy [2].

in vivo: We assessed activity initially in the Hershberger castrated rat assay in which oral dosing of AZD3514 (100mg/kg once-daily for 7 days) significantly inhibited testosterone-induced growth of sexual accessory organs [2].

Clinical trial: Open-label Prostate Cancer Study. Phase 1



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