

# 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  $\mu$ M and has ability of reducing AR protein expression.

IC50 Value: 2.2  $\mu$ M (Ki)

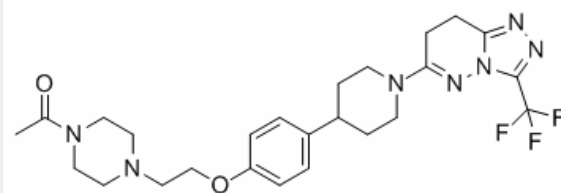
Target: androgen receptor

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



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!