

[Open Peer Review on Qeios](#)

# Androgen Receptor Antisense Oligonucleotide AZD5312

National Cancer Institute

## Source

National Cancer Institute. *Androgen Receptor Antisense Oligonucleotide AZD5312*. NCI Thesaurus. Code C116326.

An antisense oligonucleotide targeting the androgen receptor (AR) mRNA, with potential antineoplastic activity. Upon intravenous administration, AZD5312 hybridizes with AR mRNA, which blocks translation of the AR protein. This both inhibits AR-induced tumor cell growth and promotes apoptosis in AR-overexpressing tumor cells. AR is overexpressed in certain breast and prostate cancers and is involved in tumor cell proliferation and survival.