

Open Peer Review on Qeios

Apalutamide

National Cancer Institute

Source

National Cancer Institute. <u>Apalutamide</u>. NCI Thesaurus. Code C92574.

A small molecule and androgen receptor (AR) antagonist with potential antineoplastic activity. Apalutamide binds to AR in target tissues thereby preventing androgen-induced receptor activation and facilitating the formation of inactive complexes that cannot be translocated to the nucleus. This prevents binding to and transcription of AR-responsive genes. This ultimately inhibits the expression of genes that regulate prostate cancer cell proliferation and may lead to an inhibition of cell growth in AR-expressing tumor cells.

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