

Title (en)

IRREVERSIBLE SELECTIVE ANDROGEN RECEPTOR MODULATORS AND METHODS OF USE THEREOF

Title (de)

IRREVERSIBLE, SELEKTIVE MODULATOREN DES ANDROGENREZEPTORS UND VERFAHREN ZU DEREN ANWENDUNG

Title (fr)

MODULATEURS IRREVERSIBLES SELECTIFS DE RECEPTEUR D'ANDROGENE ET PROCEDE D'UTILISATION ASSOCIES

Publication

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Application

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Abstract (en)

[origin: WO03074473A2] In one embodiment, this invention provides a class of androgen receptor targeting agents (ARTA). The agents define a new subclass of compounds, which are selective androgen receptor modulators (SARM). The SARM compounds have unexpected antiandrogenic activity of a nonsteroidal ligand for the androgen receptor. In one embodiment, the SARM compounds bind irreversibly to the androgen receptor. In another embodiment, the SARM compounds are androgen receptor antagonists which bind irreversibly to the androgen receptor. In another embodiment, the SARM compounds are alkylating agents. The SARM compounds, either alone or as a composition, are useful for a) male contraception; b) treatment of a variety of hormone-related conditions, for example conditions associated with Androgen Decline in Aging Male (ADAM), such as fatigue, depression, decreased libido, sexual dysfunction, erectile dysfunction, hypogonadism, osteoporosis, hair loss, anemia, obesity, sarcopenia, osteopenia, osteoporosis, benign prostate hyperplasia, alterations in mood and cognition and prostate cancer; c) treatment of conditions associated with Androgen Decline in Female (ADIF), such as sexual dysfunction, decreased sexual libido, hypogonadism, sarcopenia, osteopenia, osteoporosis, alterations in cognition and mood, depression, anemia, hair loss, obesity, endometriosis, breast cancer, uterine cancer and ovarian cancer; d) treatment and/or prevention of acute and/or chronic muscular wasting conditions; e) preventing and/or treating dry eye conditions; f) oral androgen replacement therapy; g) decreasing the incidence of, halting or causing a regression of prostate cancer; and/or h) inducing apoptosis in a cancer cell.

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