

Title (en)

SMALL MOLECULE INHIBITORS OF THE NUCLEAR TRANSLOCATION OF ANDROGEN RECEPTOR FOR THE TREATMENT OF CASTRATION-RESISTANT PROSTATE CANCER

Title (de)

KLEINMOLEKÜLIGE INHIBITOREN DER NUKLEAREN TRANSLOKATION DES ANDROGENREZEPTORS ZUR BEHANDLUNG VON KASTRATIONSRESISTENTEM PROSTATAKREBS

Title (fr)

INHIBITEURS À PETITES MOLÉCULES DE LA TRANSLOCATION NUCLÉAIRE DU RÉCEPTEUR DES ANDROGÈNES POUR TRAITER LE CANCER DE LA PROSTATE RÉSISTANT À LA CASTRATION

Publication

EP 3793982 A4 20220511 (EN)

Application

EP 19803487 A 20190513

Priority

- US 201862671254 P 20180514
- US 2019032033 W 20190513

Abstract (en)

[origin: WO2019222105A1] A compound, or a pharmaceutically acceptable salt or ester thereof, according to formula I: R20 -(Z)b-(Y)c-(R21)a-(X)d-R22-R23 wherein R20 is aryl, substituted aryl, heteroaryl, substituted heteroaryl, cycloalkyl, substituted cycloalkyl, heterocycloalkyl, substituted heterocycloalkyl, alkoxy, aryloxy, a thio-containing group, or a seleno-containing group; Z is alkanediyl, substituted alkanediyl, cycloalkanediyl, or substituted cycloalkanediyl; Y is S, O, S(=O), -S(=O)(=O)-, or NR10, wherein R10 is H or alkyl; R21 is alkanediyl, substituted alkanediyl, cycloalkanediyl, substituted cycloalkanediyl, alkadienyl, substituted alkadienyl, cycloalkenediyl, substituted cycloalkenediyl, alkatrienyl, substituted alkatrienyl; X is -C(=O)-, -S(=O)(=O)-, or -N(H)C(=O)-; R22 includes at least one divalent amino radical; R23 is aryl, substituted aryl, heteroaryl, substituted heteroaryl, cycloalkyl, substituted cycloalkyl, heterocycloalkyl, substituted heterocycloalkyl, alkoxy, aryloxy, a thio-containing group, or a seleno-containing group; a, b, c, and d independently are 0 or 1.

IPC 8 full level

C07D 295/185 (2006.01); **A61K 31/12** (2006.01); **A61K 31/165** (2006.01); **A61K 31/40** (2006.01); **A61K 31/403** (2006.01); **A61K 31/407** (2006.01); **A61K 31/495** (2006.01); **A61K 31/496** (2006.01); **A61K 31/498** (2006.01); **A61P 35/00** (2006.01); **C07C 49/563** (2006.01); **C07D 207/06** (2006.01); **C07D 207/08** (2006.01); **C07D 209/52** (2006.01); **C07D 233/61** (2006.01); **C07D 409/02** (2006.01); **C07D 487/04** (2006.01)

CPC (source: EP)

A61K 31/403 (2013.01); **A61K 31/4166** (2013.01); **A61K 31/495** (2013.01); **A61K 31/58** (2013.01); **A61P 35/00** (2017.12); **C07D 209/52** (2013.01); **C07D 239/42** (2013.01); **C07D 295/185** (2013.01); **C07D 309/14** (2013.01); **C07D 333/24** (2013.01)

Citation (search report)

- [Y] WO 2017165822 A1 20170928 - UNIV OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION [US], et al
- [Y] PAOLA CIAPETTI AND BRUNO GIETHLEN ED - CAMILLE GEORGES WERMUTH: "Chapter 15 - Molecular Variations Based on Isosteric Replacements", 1 January 2008, THE PRACTICE OF MEDICINAL CHEMISTRY (THIRD EDITION), ELSEVIER, NL, PAGE(S) 290 - 342, ISBN: 978-0-12-374194-3, XP009142466
- See references of WO 2019222105A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2019222105 A1 20191121; CA 3099739 A1 20191121; EP 3793982 A1 20210324; EP 3793982 A4 20220511; JP 2021523207 A 20210902

DOCDB simple family (application)

US 2019032033 W 20190513; CA 3099739 A 20190513; EP 19803487 A 20190513; JP 2020564224 A 20190513