

Title (en)

ANTIBODY-DRUG CONJUGATES (ADCS) OF KSP INHIBITORS WITH AGLYCOSYLATED ANTI-TWEAKR ANTIBODIES

Title (de)

ANTIKÖRPER-WIRKSTOFF-KONJUGATE (ADCS) VON KSP-INHIBITOREN MIT AGLYCOSYLIERTEN ANTI-TWEAKRANTIKÖRPERN

Title (fr)

CONJUGUÉS ANTICORPS-PRINCIPE ACTIF (ADC) D'INHIBITEURS DE LA KSP AYANT DES ANTICORPS ANTI-TWEAKR AGLYCOSYLÉS

Publication

EP 3233127 A1 20171025 (DE)

Application

EP 15816395 A 20151210

Priority

- EP 14197999 A 20141215
- EP 15172051 A 20150615
- EP 2015079273 W 20151210

Abstract (en)

[origin: WO2016096610A1] The aim of the present invention is to provide substances which show an apoptotic effect after administration in a relatively low concentration and can thus be useful for cancer therapy. To achieve this aim, the invention provides conjugates of an aglycosylated or aglycosyl anti-TWEAKR antibody with KSP inhibitors of formula (I), wherein one or more of the compounds of formula (I) is or are connected to the antibody via a linker L. Aglycosylated antibodies are antibodies which have no glycans at the preserved N-binding site in the CH2 domain of the Fc region. The antibody is preferably a human, humanised or chimeric monoclonal antibody. More preferably, the antibody is an anti-TWEAKR antibody, which specifically binds to the amino acid D in position 47 (D47) of TWEAKR (SEQ ID NO:169), in particular the anti-TWEAKR antibody TPP-2658.

IPC 8 full level

A61K 47/50 (2017.01); **A61P 35/00** (2006.01)

CPC (source: EP US)

A61K 31/03 (2013.01 - EP US); **A61K 31/131** (2013.01 - EP US); **A61K 31/4025** (2013.01 - EP US); **A61K 47/6803** (2017.07 - EP US); **A61K 47/6851** (2017.07 - EP US); **A61P 9/00** (2017.12 - EP); **A61P 35/00** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **A61K 31/16** (2013.01 - EP US); **A61K 31/4192** (2013.01 - EP US); **A61K 31/497** (2013.01 - EP US); **A61K 38/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2016096610A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016096610 A1 20160623; CA 2970565 A1 20160623; CN 107635586 A 20180126; CN 107635586 B 20210924; EP 3233127 A1 20171025; JP 2018502844 A 20180201; JP 6743015 B2 20200819; US 10485880 B2 20191126; US 2018015176 A1 20180118

DOCDB simple family (application)

EP 2015079273 W 20151210; CA 2970565 A 20151210; CN 201580076231 A 20151210; EP 15816395 A 20151210; JP 2017531652 A 20151210; US 201515536112 A 20151210