

Title (en)
THERAPEUTIC AGENTS AND USES THEREOF

Title (de)
THERAPEUTISCHE MITTEL UND VERWENDUNGEN DAVON

Title (fr)
AGENTS THÉRAPEUTIQUES ET UTILISATIONS DE CEUX-CI

Publication
EP 4185288 A4 20240424 (EN)

Application
EP 20946050 A 20200721

Priority
US 2020042933 W 20200721

Abstract (en)
[origin: WO2022019892A1] Human therapeutic compositions are provided, comprising compounds including a plurality of fused polycyclic moieties and a linker moiety. In certain embodiments, the compounds are the reaction products of aldehyde and harmaline components. The compositions exhibit anti- cancer properties, especially against lymphoma, leukemia, pancreatic, endometrial, ovarian, gastric, breast, renal, cervical, head and neck, and myeloma cell lines.

IPC 8 full level
A61K 31/437 (2006.01); **A61K 31/11** (2006.01); **C07D 471/12** (2006.01)

CPC (source: EP)
A61K 31/437 (2013.01); **A61K 45/06** (2013.01); **C07D 471/04** (2013.01); **C07D 519/00** (2013.01)

C-Set (source: EP)
A61K 31/437 + A61K 2300/00

Citation (search report)

- [E] WO 2021026016 A1 20210211 - ANKH LIFE SCIENCES LTD [IE], et al
- [XAI] CN 101367802 A 20090218 - UNIV JINAN [CN]
- [XAI] WO 2009047298 A2 20090416 - BIOALLIANCE PHARMA [FR], et al
- [XAI] CHEN XIAOFEI ET AL: "Design, Synthesis, and Biological Evaluation of Novel N-Acylhydrazone Bond Linked Heterobivalent [beta]-Carbolines as Potential Anticancer Agents", MOLECULES, vol. 24, no. 16, 1 August 2019 (2019-08-01), DE, pages 2950, XP055901185, ISSN: 1433-1373, DOI: 10.3390/molecules24162950
- [XI] GUO LIANG ET AL: "Synthesis and biological evaluation of novel N 9 -heterobivalent [beta]-carbolines as angiogenesis inhibitors", JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol. 34, no. 1, 1 January 2019 (2019-01-01), GB, pages 375 - 387, XP093007443, ISSN: 1475-6366, DOI: 10.1080/14756366.2018.1497619
- See also references of WO 2022019892A1

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 2022019892 A1 20220127; CN 115916195 A 20230404; EP 4185288 A1 20230531; EP 4185288 A4 20240424

DOCDB simple family (application)
US 2020042933 W 20200721; CN 202080102648 A 20200721; EP 20946050 A 20200721