

Title (en)

HETEROCYCLIC COMPOUNDS AS PRMT5 INHIBITORS

Title (de)

HETEROCYCLISCHE VERBINDUNGEN ALS PRMT5-INHIBITOREN

Title (fr)

COMPOSÉS HÉTÉROCYCLIQUES EN TANT QU'INHIBITEURS DE PRMT5

Publication

EP 3976038 A4 20230712 (EN)

Application

EP 20814821 A 20200527

Priority

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- US 2020034711 W 20200527

Abstract (en)

[origin: WO2020243178A1] The present disclosure describes novel heterocyclic PRMT5 inhibitors and methods for preparing them. The pharmaceutical compositions comprising such PRMT5 inhibitors and methods of using them for treating cancer, infectious diseases, and other PRMT5 associated disorders are also described.

IPC 8 full level

A61P 31/00 (2006.01); **A61P 35/00** (2006.01); **C07D 487/04** (2006.01); **C07D 498/04** (2006.01); **C07D 519/00** (2006.01); **C07H 19/14** (2006.01)

CPC (source: EP KR)

A61K 31/519 (2013.01 - KR); **A61K 31/7064** (2013.01 - KR); **A61P 31/00** (2017.12 - EP KR); **A61P 35/00** (2017.12 - EP KR); **C07D 487/04** (2013.01 - EP KR); **C07D 519/00** (2013.01 - EP); **C07H 19/14** (2013.01 - EP KR)

Citation (search report)

- [XPI] WO 2019112719 A1 20190613 - ANGEX PHARMACEUTICAL INC [US]
- [A] WO 2017212385 A1 20171214 - PFIZER [US]
- [A] RUIFENG MAO ET AL: "Potent, Selective, and Cell Active Protein Arginine Methyltransferase 5 (PRMT5) Inhibitor Developed by Structure-Based Virtual Screening and Hit Optimization", JOURNAL OF MEDICINAL CHEMISTRY, vol. 60, no. 14, 26 June 2017 (2017-06-26), US, pages 6289 - 6304, XP055682728, ISSN: 0022-2623, DOI: 10.1021/acs.jmedchem.7b00587
- See references of WO 2020243178A1

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

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WO 2020243178 A1 20201203; AU 2020283505 A1 20211223; CA 3141855 A1 20201203; CN 114126614 A 20220301; EP 3976038 A1 20220406; EP 3976038 A4 20230712; JP 2022534998 A 20220804; KR 20220016194 A 20220208

DOCDB simple family (application)

US 2020034711 W 20200527; AU 2020283505 A 20200527; CA 3141855 A 20200527; CN 202080052198 A 20200527; EP 20814821 A 20200527; JP 2021570954 A 20200527; KR 20217043087 A 20200527