

Title (en)

CRYSTAL STRUCTURE OF A TYPE IIC P-TYPE ATPASE

Title (de)

KRISTALLSTRUKTUR EINER TYP IIC-P-TYP-ATPASE

Title (fr)

STRUCTURE CRISTALLINE D'UNE ATPASE DE TYPE P DU TYPE IIC

Publication

EP 2235172 A1 20101006 (EN)

Application

EP 08858910 A 20081212

Priority

- DK 2008050307 W 20081212
- DK PA200701780 A 20071212
- US 1328607 P 20071212

Abstract (en)

[origin: WO2009074158A1] The present invention relates to a crystal structure of a type IIC P-type ATPase. The invention further describes method for identification of modulators of ATPases as well as uses of such modulators. Based on the provided three dimensional structure of the ATPase, various method, such as computer implemented methods may be used for identification of modulators, such putative modulators may be further analysed using in vitro and in vivo experiments to confirm there functionality. Several modulator interaction regions are described as target of regulation by ATPase modulators.

IPC 8 full level

C12N 9/14 (2006.01); **C30B 7/00** (2006.01); **G01N 23/20** (2006.01); **G06F 17/50** (2006.01)

CPC (source: EP)

C12N 9/14 (2013.01); **C07K 2299/00** (2013.01)

Citation (search report)

See references of WO 2009074158A1

Citation (examination)

JORGENSEN ET AL: "Purification and characterization of (Na<+> + K<+>)-ATPase III. Purification from the outer medulla of mammalian kidney after selective removal of membrane components by sodium dodecylsulphate", BIOCHIMICA ET BIOPHYSICA ACTA (BBA) - BIOMEMBRANES, ELSEVIER, AMSTERDAM, NL, vol. 356, no. 1, 12 July 1974 (1974-07-12), pages 36 - 52, XP023352517, ISSN: 0005-2736, [retrieved on 19740712], DOI: 10.1016/0005-2736(74)90292-2

Cited by

CN108446462A

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009074158 A1 20090618; EP 2235172 A1 20101006

DOCDB simple family (application)

DK 2008050307 W 20081212; EP 08858910 A 20081212