

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

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Application

**EP 08858910 A 20081212**

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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

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CPC (source: EP)

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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

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