

Title (en)

USE OF SUBSTITUTED 11-PHENYL-DIBENZAZEPINE COMPOUNDS FOR THE TREATMENT OR PREVENTION OF SICKLE CELL DISEASE, INFLAMMATORY DISEASES CHARACTERIZED BY ABNORMAL CELL PROLIFERATION, DIARRHEA AND SCOUR

Title (de)

VERWENDUNG VON 11-PHENYL SUBSTITUIRTEN DIBENZAZEPIN-DERIVATE ZUR BEHANDLUNG ODER VORBEUGUNG VON SICHELZELLANÄMIE, ENTZÜNTLICHEN ERKRANKUNGEN, DIE DURCH EINE ABNORMALE ZELLPROLIFERATION GEKENZEICHNET SIND, DIARRHÖE UND DIARRHÖE BEI TIEREN

Title (fr)

UTILISATION DE COMPOSES 11-PHENYL-DIBENZAZEPINE SUBSTITUES DANS LE TRAITEMENT OU LA PREVENTION DE LA DREPANOCYTOSE, DES MALADIES INFLAMMATOIRES CARACTERISEES PAR UNE PROLIFERATION CELLULAIRE ANORMALE ET PAR LA DIARRHEE CHEZ L'HOMME ET L'ANIMAL

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Application

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Abstract (en)

[origin: WO9926628A1] The present invention provides substituted 11-phenyl-dibenzazepine compounds, as well as analogues thereof, which are specific, potent and safe inhibitors of the Ca<sup>2+</sup>-activated potassium channel (Gardos channel) of erythrocytes, of mammalian cell proliferation and/or of secretagogue-stimulated transepithelial electrogenic chloride secretion in intestinal cells. The compounds can be used to reduce sickle erythrocyte dehydration and/or delay the occurrence of erythrocyte sickling or deformation in situ as a therapeutic approach towards the treatment or prevention of sickle cell disease. The compounds can also be used to inhibit mammalian cell proliferation in situ as a therapeutic approach towards the treatment or prevention of diseases characterized by abnormal cell proliferation. Furthermore, the compounds can also be used to inhibit chloride secretion in intestinal cells as a therapeutic approach towards the treatment of diarrhea and scours.

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