

Title (en)  
FURANOPYRIMIDINE COMPOUNDS EFFECTIVE AS POTASSIUM CHANNEL INHIBITORS

Title (de)  
FURANOPYRIMIDINVERBINDUNGEN, DIE ALS KALIUMKANALINHIBITOREN WIRKEN

Title (fr)  
COMPOSES DE FURANOPYRIMIDINE EFFICACES COMME INHIBITEURS DES CANAUX POTASSIQUES

Publication  
**EP 1758909 A1 20070307 (EN)**

Application  
**EP 05751879 A 20050610**

Priority  
• GB 2005002318 W 20050610  
• GB 0412986 A 20040610  
• US 57835004 P 20040610

Abstract (en)  
[origin: WO2005121149A1] A compound of formula (I) wherein R1 is aryl, heteroaryl, cycloalkyl or alkyl; R2 is H, alkyl, nitro, -CO2R7, CONR4R5 or halo; R3 is H, NR4R5, NC(O)R8, halo, trifluoromethyl, alkyl, nitrile or alkoxy; R4 and R5 may be the same or different, and may be H, alkyl, aryl, heteroaryl or cycloalkyl; or R4 and R5 may together form a saturated, unsaturated or partially saturated 4 to 7 member ring, wherein said ring may optionally comprise one or more further heteroatoms selected from N, O or S; X is O, S or NR6; R6 is H or alkyl; R7 is hydrogen, methyl or ethyl; R8 is methyl or ethyl; LI is (CH2)n, where n is 1,2 or 3; and Y is aryl, a heterocyclic group, alkyl, alkenyl or cycloalkyl; together with pharmaceutically acceptable salts thereof. The use of these compounds as potassium channel inhibitors is also described.

IPC 8 full level  
**C07D 491/04** (2006.01); **A61K 31/44** (2006.01); **A61P 9/04** (2006.01)

CPC (source: EP KR)  
**A61K 31/44** (2013.01 - KR); **A61P 9/04** (2017.12 - EP); **A61P 9/06** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07D 491/04** (2013.01 - EP KR)

Citation (search report)  
See references of WO 2005121149A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005121149 A1 20051222**; AU 2005252440 A1 20051222; BR PI0511917 A 20080115; CA 2568304 A1 20051222;  
EP 1758909 A1 20070307; JP 2008501773 A 20080124; JP 4955557 B2 20120620; KR 20070055486 A 20070530; MX PA06014256 A 20070312

DOCDB simple family (application)  
**GB 2005002318 W 20050610**; AU 2005252440 A 20050610; BR PI0511917 A 20050610; CA 2568304 A 20050610; EP 05751879 A 20050610;  
JP 2007526555 A 20050610; KR 20077000590 A 20070109; MX PA06014256 A 20050610