

Title (en)
ANTHRANILIC ACID ANALOGS

Title (de)
ANTHRANILSÄUREANALOGA

Title (fr)
ANALOGUES D'ACIDE ANTHRANILIQUE

Publication
EP 1003713 A1 20000531 (EN)

Application
EP 98938221 A 19980803

Priority
• US 9815981 W 19980803
• US 90593097 A 19970805

Abstract (en)
[origin: WO9907670A1] Compounds of formula (I) wherein: R1, R2 and R3 are, independently, hydrogen, nitro, cyano, C1-10 haloalkoxy, amino, C1-10 alkylamino, sulfo, sulfamoyl, C1-10 alkylsulfonamido, C2-10 alkylcarboxamido C2-10 alkanoyl, C1-10 alkylsulfonyl, C1-10 haloalkylsulfonyl, C1-10 carboxyl, C1-10 haloalkyl and C6-12 aryl; with the provisos: (1) that R1, R2 and R3 may not all simultaneously be hydrogen, and (2) when R1 and R2 are hydrogen, R3 may not be meta-CF3; R4, R5 and R6 are, independently, hydrogen, halogen, nitro, cyano, C1-10 haloalkoxy, C1-10 alkylamino, sulfo, sulfamoyl, C1-10 alkylsulfonamido, C2-10 alkylcarboxamido C2-10 alkanoyl, C1-10 alkylsulfonyl, C1-10 haloalkylsulfonyl, C1-10 carboxyl, C1-10 haloalkyl, C1-10 alkyl and C6-12 aryl; R7 is hydrogen, metal cation, acetamidato, alkoxyacetoyl or a related moiety which delivers the carboxylate in vivo; and X, Y and Z may form a C3-13 carbocyclic ring, oxazole, isoxazole, thiazole, isothiazole, furan, thiophene, 2H-pyrrole, pyrrole, 2-pyrroline, 3-pyrroline, imidazole, pyrazole, 1,2,3-oxadiazole or 1,2,3-triazole bound to the carbon skeleton; or pharmaceutically acceptable salts thereof useful in the treatment of disorders associated with smooth muscle contraction via potassium channel and chloride channel modulation.

IPC 1-7
C07C 233/63; **C07D 263/34**; **C07D 261/18**; **A61K 31/16**; **A61K 31/42**

IPC 8 full level
A61K 31/16 (2006.01); **A61K 31/42** (2006.01); **A61K 31/421** (2006.01); **A61P 1/00** (2006.01); **A61P 9/04** (2006.01); **A61P 9/10** (2006.01); **A61P 11/06** (2006.01); **A61P 13/00** (2006.01); **C07C 233/63** (2006.01); **C07D 261/18** (2006.01); **C07D 263/34** (2006.01)

CPC (source: EP)
A61P 1/00 (2017.12); **A61P 9/04** (2017.12); **A61P 9/10** (2017.12); **A61P 11/06** (2017.12); **A61P 13/00** (2017.12); **C07C 233/63** (2013.01); **C07D 261/18** (2013.01); **C07D 263/34** (2013.01); **C07C 2601/10** (2017.04)

Citation (search report)
See references of WO 9907670A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
WO 9907670 A1 19990218; AU 734786 B2 20010621; AU 8679598 A 19990301; BR 9811828 A 20000815; CA 2297409 A1 19990218; CN 1265643 A 20000906; EP 1003713 A1 20000531; JP 2001513527 A 20010904

DOCDB simple family (application)
US 9815981 W 19980803; AU 8679598 A 19980803; BR 9811828 A 19980803; CA 2297409 A 19980803; CN 98807943 A 19980803; EP 98938221 A 19980803; JP 2000507206 A 19980803