

Title (en)
ANTHRANILIC ACID ANALOGS

Title (de)
ANTHRANILSÄUREANALOGA

Title (fr)
ANALOGUES D'ACIDE ANTHRANILIQUE

Publication
EP 1003712 A1 20000531 (EN)

Application
EP 98938288 A 19980803

Priority
• US 9816099 W 19980803
• US 90668397 A 19970805

Abstract (en)
[origin: WO9907669A1] Compounds of formula (I) wherein: R1, R2, R3, R4, R5, R6, R7 and R8 are, independently, hydrogen, COOR15, halogen, nitro, cyano, C1-10 alkoxy, C1-10 haloalkoxy, sulfonic acid, C1-10 alkylsulfonyl, C6-12 arylsulfonyl, C6-12 aralkylsulfonyl, C1-10 alkylsulfinyl, C6-12 arylsulfinyl, C6-12 aralkylsulfinyl, sulfamoyl, C1-10 alkylsulfamido, C6-12 arylsulfamido, C1-10 alkanoyl, C6-12 aryloyl, C6-12 aralkanoyl, amino, C1-10 alkylamino, C2-10 dialkylamino, C6-12 aralkylamino, C6-12 arylamino, carboxamido, C1-10 alkylcarboxamido, C6-12 arylcarboxamido, C1-10 haloalkyl, C1-10 alkyl, C2-12 alkenyl, C6-12 aryl, C6-12 aralkyl; with the proviso that at least one of R4 and R5 is COOR15; R9 is hydrogen, C1-10 alkyl, and C1-10 haloalkyl; R10 is hydrogen, C1-10 alkyl, C1-10 haloalkyl, or C2-12 alkylidene; R15 is hydrogen, metal cation, acetylamido, alkoxyacetyl or a related moiety which delivers the carboxylate in vivo; the dotted line is an optional double bond; with the proviso that when R10 is an alkylidene moiety, the double bond is absent; and W is nitrogen or carbon bearing a hydrogen, or R4, R5 or R6 as hereinbefore defined; or pharmaceutical salts thereof, are useful in the treatment of disorders associated with smooth muscle contraction via potassium channel and chloride channel modulation.

IPC 1-7
C07C 233/55; C07D 213/79

IPC 8 full level
A61K 31/167 (2006.01); **A61K 31/196** (2006.01); **A61P 9/06** (2006.01); **A61P 9/10** (2006.01); **A61P 11/06** (2006.01); **A61P 13/06** (2006.01); **A61P 25/22** (2006.01); **A61P 25/28** (2006.01); **A61P 43/00** (2006.01); **C07C 233/55** (2006.01); **C07D 213/75** (2006.01); **C07D 213/79** (2006.01); **C07D 213/80** (2006.01)

CPC (source: EP)
A61P 9/06 (2017.12); **A61P 9/10** (2017.12); **A61P 11/06** (2017.12); **A61P 13/06** (2017.12); **A61P 25/22** (2017.12); **A61P 25/28** (2017.12); **A61P 43/00** (2017.12); **C07C 233/55** (2013.01); **C07D 213/80** (2013.01)

Citation (search report)
See references of WO 9907669A1

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 9907669 A1 19990218; AU 8684598 A 19990301; BR 9811845 A 20000808; CA 2297412 A1 19990218; CN 1273579 A 20001115; EP 1003712 A1 20000531; JP 2001513526 A 20010904

DOCDB simple family (application)
US 9816099 W 19980803; AU 8684598 A 19980803; BR 9811845 A 19980803; CA 2297412 A 19980803; CN 98809866 A 19980803; EP 98938288 A 19980803; JP 2000507205 A 19980803