

Title (en)
PHOSPHODIESTERASE 4 INHIBITORS

Title (de)
PHOSPHODIESTERASE-4- INHIBITOREN

Title (fr)
INHIBITEURS DE PHOSPHODIESTERASE 4

Publication
EP 1353907 A2 20031022 (EN)

Application
EP 02731078 A 20020122

Priority
• US 0201508 W 20020122
• US 26265101 P 20010122
• US 26719601 P 20010208
• US 30614001 P 20010719

Abstract (en)
[origin: WO02074726A2] PDE4 inhibition is achieved by novel compounds, e.g., N-substituted aniline and diphenylamine analogs. The compounds of the present invention are of Formula I: wherein R<1>, R<2>, R<3> and R<4> are as defined herein.

IPC 1-7
C07D 213/38; **C07D 333/32**; **C07C 217/84**; **C07C 217/88**; **A61K 31/44**; **A61K 31/36**; **C07D 215/12**; **C07D 333/16**; **C07D 213/73**; **C07D 405/12**; **A61P 9/00**; **A61P 25/24**; **A61P 11/00**

IPC 8 full level
A61K 31/136 (2006.01); **A61K 31/4402** (2006.01); **A61K 31/4406** (2006.01); **A61K 31/4439** (2006.01); **A61K 31/4545** (2006.01); **A61K 31/496** (2006.01); **A61P 9/00** (2006.01); **A61P 9/10** (2006.01); **A61P 11/00** (2006.01); **A61P 25/00** (2006.01); **A61P 25/14** (2006.01); **A61P 25/16** (2006.01); **A61P 25/24** (2006.01); **C07D 213/36** (2006.01); **A61P 25/28** (2006.01); **A61P 29/00** (2006.01); **A61P 31/18** (2006.01); **A61P 37/08** (2006.01); **A61P 43/00** (2006.01); **C07C 217/84** (2006.01); **C07C 217/88** (2006.01); **C07C 217/92** (2006.01); **C07D 213/38** (2006.01); **C07D 213/73** (2006.01); **C07D 213/74** (2006.01); **C07D 215/12** (2006.01); **C07D 333/16** (2006.01); **C07D 333/32** (2006.01); **C07D 401/12** (2006.01); **C07D 405/12** (2006.01); **C07F 7/18** (2006.01)

CPC (source: EP KR)
A61P 9/00 (2018.01 - EP); **A61P 9/10** (2018.01 - EP); **A61P 11/00** (2018.01 - EP); **A61P 25/00** (2018.01 - EP); **A61P 25/14** (2018.01 - EP); **A61P 25/16** (2018.01 - EP); **A61P 25/24** (2018.01 - EP); **A61P 25/28** (2018.01 - EP); **A61P 29/00** (2018.01 - EP); **A61P 31/18** (2018.01 - EP); **A61P 37/08** (2018.01 - EP); **A61P 43/00** (2018.01 - EP); **C07C 217/00** (2013.01 - KR); **C07C 217/84** (2013.01 - EP); **C07C 217/88** (2013.01 - EP); **C07C 217/92** (2013.01 - EP); **C07D 213/38** (2013.01 - EP); **C07D 213/73** (2013.01 - EP); **C07D 215/12** (2013.01 - EP); **C07D 333/16** (2013.01 - EP); **C07D 333/32** (2013.01 - EP); **C07D 401/12** (2013.01 - EP); **C07D 405/12** (2013.01 - EP); **C07F 7/1804** (2013.01 - EP); **C07C 2601/02** (2017.05 - EP); **C07C 2601/08** (2017.05 - EP); **C07C 2601/16** (2017.05 - EP); **C07C 2602/08** (2017.05 - EP)

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

DOCDB simple family (publication)
WO 02074726 A2 20020926; **WO 02074726 A3 20030313**; AU 2002303078 B2 20070830; BG 108003 A 20040930; BR 0206943 A 20060124; CA 2435847 A1 20020926; CL 2004001165 A1 20050415; CN 100378075 C 20080402; CN 1498211 A 20040519; CZ 20031986 A3 20031217; EE 05362 B1 20101215; EE 200300347 A 20031215; EP 1353907 A2 20031022; HK 1066215 A1 20050318; HR P20030662 A2 20050630; HU P0302793 A2 20031128; HU P0302793 A3 20060130; IL 156958 A0 20040208; JP 2005507365 A 20050317; JP 4223287 B2 20090212; KR 100856622 B1 20080903; KR 20040064606 A 20040719; MA 25996 A1 20031231; MX PA03006519 A 20041015; NO 20033288 D0 20030721; NO 20033288 L 20030922; NO 329548 B1 20101108; NZ 527081 A 20060331; PL 373301 A1 20050822; SK 9152003 A3 20040406; YU 57603 A 20060817; ZA 200305623 B 20050126

DOCDB simple family (application)
US 0201508 W 20020122; AU 2002303078 A 20020122; BG 10800303 A 20030718; BR 0206943 A 20020122; CA 2435847 A 20020122; CL 2004001165 A 20040520; CN 02807010 A 20020122; CZ 20031986 A 20020122; EE P200300347 A 20020122; EP 02731078 A 20020122; HK 04109061 A 20041117; HR P20030662 A 20030820; HU P0302793 A 20020122; IL 15695802 A 20020122; JP 2002573735 A 20020122; KR 20037009624 A 20030721; MA 27246 A 20030722; MX PA03006519 A 20020122; NO 20033288 A 20030721; NZ 52708102 A 20020122; PL 37330102 A 20020122; SK 9152003 A 20020122; YU P57603 A 20020122; ZA 200305623 A 20030721